U.S. NATIONAL INSTITUTES OF HEALTH.
Division of Research Grants.

NEW GRANTS AND AWARDS

REPORT 19M

Arranged by State, City and Institution

Announced During

DECEMBER 1975; JANUARY and FEBRUARY 1976

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service

PREPARED BY

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

STATISTICS AND ANALYSIS BRANCH

Ref:
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1975-76
Dec -Feb.

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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES

NATIONAL CANCER INSTITUTE
CA DIVISION OF CANCER RESEARCH RESOURCES AND CENTERS
CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS
CM DIVISION OF CANCER TREATMENT
CN OFFICE OF CANCER CONTROL
CO OFFICE OF THE DIRECTOR, NCI
CP DIVISION OF CANCER CAUSE AND PREVENTION

CT DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE NATIONAL INSTITUTE OF DENTAL RESEARCH
ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
LM NATIONAL LIBRARY OF MEDICINE
OD OFFICE OF THE DIRECTOR, NIH
RR DIVISION OF RESEARCH RESOURCES
RS DIVISION OF RESEARCH SERVICES
TW FOGARTY INTERNATIONAL CENTER

GRANTS AND AWARDS ANNOUNCED DURING DECEMBER 1975, JANUARY AND FEBRUARY, 1976

I/D	RESEARCH GRANTS*		RESEARCH CAREER PROGRAM AWARDS		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS		OTHER AWARDS	
	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
AI					1	114,389										
AM	3	97,088														
CA	24	1,313,344														
CB					1	92,000										
CM					9	646,120										
CN					4	1,130,746										
CO					1	166,658										
CP					7	462,751										
CT					1	12,966										
DE	2	128,956														
ES	3	170,726			1	78,801										
GM	21	731,401			1	356,695			2	5,551						
HD					7	1,069,384										
LM	1	7,257			4	264,798							6	16,325		
OD					1	55,714										
RR					1	290,281										
RS					1	193,000										
TW									15	228,222						
	54	2,448,772			40	4,934,303			17	233,773			6	16,325		

*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
DUARTE			
CITY OF HOPE MEDICAL CENTER			
CA19163-01	TODD, CHARLES W	ASSAY AND STRUCTURE OF CARCINOEMBRYONIC ANTIGENS	109,746
INSTITUTION TOTAL	1	109,746	
CITY TOTAL	1	109,746	
LA JOLLA			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
GM22396-01	BOOKSTEIN, JOSEPH J	ANGIOGRAPHY OF NONOCCLUSIVE INTESTINAL ISCHEMIA	23,636
INSTITUTION TOTAL	1	23,636	
CITY TOTAL	1	23,636	
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
CA18725-01	FOX, CHARLES F	NEW APPROACHES TO RESEARCH ON TUMOR CELL SURFACES	34,975
GM22770-01	FOX, CHARLES F	CONFERENCE ON CELL SHAPE AND SURFACE ARCHITECTURE	2,000
INSTITUTION TOTAL	2	36,975	
CITY TOTAL	2	36,975	
SAN JOSE			
SANTA CLARA VALLEY MEDICAL CENTER			
GM22860-01	O'REILLY, ROBERT A	ANALYTIC DEVELOPMENT OF PHARMACOKINETIC TOOLS	52,851
INSTITUTION TOTAL	1	52,851	
CITY TOTAL	1	52,851	
STANFORD			
STANFORD UNIVERSITY			
CA18456-01	HAYFLICK, LEONARD	HUMAN CANCER CELL RECONSTRUCTION AND TRANSFORMATION	71,562
CA18677-01	PINCUS, THEODORE P	HUMAN SEROLOGICAL ACTIVITY WITH TYPE-C VIRUS PROTEINS	50,000
INSTITUTION TOTAL	2	121,562	
CITY TOTAL	2	121,562	
STATE TOTAL	7	344,770	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
GM22830-01	PLATT, TERRY	REGULATORY SEQUENCES IN TRP OPERON MRNA OF E COLI	33,096
GM22854-01	SOLL, DIETER G	STUDIES ON TRANSFER RNA	71,567
INSTITUTION TOTAL	2	104,663	
CITY TOTAL	2	104,663	
STATE TOTAL	2	104,663	
DIST OF COL			
WASHINGTON			
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE			
GM23018-01	BROWN, JANET W	MINORITIES IN SCIENCE	20,000
INSTITUTION TOTAL	1	20,000	
CITY TOTAL	1	20,000	
STATE TOTAL	1	20,000	
ILLINOIS			
CHICAGO			
AMERICAN COLLEGE OF RADIOLOGY			
CA18948-01	POWERS, WILLIAM E	EXPLORATORY STUDIES IN CANCER RESEARCH	34,720
INSTITUTION TOTAL	1	34,720	
AMERICAN DENTAL ASSOCIATION			
DE04454-01	BROWN, WALTER E	WORKSHOP ON CARIOSTATIC MECHANISMS OF FLUORIDES	60,606
INSTITUTION TOTAL	1	60,606	
UNIVERSITY OF CHICAGO			
CA19159-01	DE GROOT, LESLIE J	CONFERENCE ON RADIATION ASSOCIATED THYROID CANCER	22,280
CA16910-01A1	ROWLEY, JANET D	CHROMOSOME ABERRATIONS IN CANCER	45,030
INSTITUTION TOTAL	2	67,310	
CITY TOTAL	4	162,636	
STATE TOTAL	4	162,636	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
LOUISIANA			
LAFAYETTE			
UNIVERSITY OF SOUTHWESTERN LOUISIANA			
CA18269-01	WHITMIRE, DANIEL P	MAGNETIC ENHANCEMENT OF ELECTRON LET IN TUMORS	49,173
INSTITUTION TOTAL	1	49,173	
CITY TOTAL	1	49,173	
NEW ORLEANS			
LOUISIANA STATE UNIVERSITY SYSTEM--UNIVERSITY OF NEW ORLEANS			
CA18346-01	GRIFFIN, GARY W	SYNTHESIS, PHOTO AND THERMOCHEMISTRY OF ARENE OXIDES	39,109
INSTITUTION TOTAL	1	39,109	
CITY TOTAL	1	39,109	
STATE TOTAL	2	88,282	
MARYLAND			
BETHESDA			
AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS			
AM19458-01	GUNSALUS, IRWIN C	TENTH INTERNATIONAL BIOCHEMISTRY CONGRESS	15,000
GM22690-01	GUNSALUS, IRWIN C	TENTH INTERNATIONAL BIOCHEMISTRY CONGRESS	25,000
INSTITUTION TOTAL	2	40,000	
CITY TOTAL	2	40,000	
CATONSVILLE			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE COUNTY CAMPUS			
ES01236-01	MARCUS, ALLAN H	COMPARTMENT MODELS FOR BODY BURDEN OF POLLUTANTS	14,403
INSTITUTION TOTAL	1	14,403	
CITY TOTAL	1	14,403	
STATE TOTAL	3	54,403	
MASSACHUSETTS			
BOSTON			
BOSTON UNIVERSITY			
CA18522-01	KELMAN, ASHER D	MOLECULAR MECHANISMS OF PLATINUM AND RUTHENIUM DRUGS	56,872
GM22822-01	TROXLER, ROBERT F	SYNTHESIS OF BILE PIGMENTS IN PLANTS	19,550
INSTITUTION TOTAL	2	76,422	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
CA18294-01	BLUMBERG, PETER M	TRANSFORMATION AND THE CELL SURFACE	38,304
INSTITUTION TOTAL	1	38,304	
TUFTS UNIVERSITY			
CA19146-01	FISHMAN, WILLIAM H	CONFERENCE: GENE EXPRESSION, DEVELOPMENT AND NEOPLASIA	22,200
INSTITUTION TOTAL	1	22,200	
CITY TOTAL	4	136,926	
CAMBRIDGE			
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
GM22639-01	BALDWIN, JACK E	STUDIES ON THE OXIDATION OF ESSENTIAL FATTY ACIDS	44,636
INSTITUTION TOTAL	1	44,636	
CITY TOTAL	1	44,636	
WORCESTER			
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL			
GM22877-01	SUSSKIND, MIRIAM M	INTERACTING REGULATORS OF GENE EXPRESSION	35,718
INSTITUTION TOTAL	1	35,718	
CITY TOTAL	1	35,718	
STATE TOTAL	6	217,280	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
DE04453-01	LOESCHE, WALTER J	WORKSHOP ON MICROBIAL ASPECTS OF DENTAL CARIES	68,350
INSTITUTION TOTAL	1	68,350	
CITY TOTAL	1	68,350	
DETROIT			
MICHIGAN CANCER FOUNDATION			
CA18175-01	MC GRATH, CHARLES M	ENDOGENOUS VIRUS AND HORMONES IN MAMMARY CANCER	36,150
INSTITUTION TOTAL	1	36,150	
CITY TOTAL	1	36,150	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	2	104,500	
NEW JERSEY			
PRINCETON			
PRINCETON UNIVERSITY			
GM22692-01	GOULD, JAMES I	GENETIC CONTROL OF BEHAVIOR	23,523
INSTITUTION TOTAL	1	23,523	
CITY TOTAL	1	23,523	
STATE TOTAL	1	23,523	
NEW YORK			
ALBANY			
STATE UNIVERSITY OF NEW YORK AT ALBANY			
GM22566-01	ZUBIETA, JON A	MOLYBDENUM-SULFUR COMPOUNDS AS NITROGENASE MODELS	25,838
INSTITUTION TOTAL	1	25,838	
CITY TOTAL	1	25,838	
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CA19012-01	PAIGEN, KENNETH	GENES AND CANCER: A SYMPOSIUM	18,954
INSTITUTION TOTAL	1	18,954	
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
ES01239-01	YU, C P	RESPIRATORY TRACT DEPOSITION OF INHALED AEROSOLS	30,926
INSTITUTION TOTAL	1	30,926	
CITY TOTAL	2	49,880	
NEW YORK			
COLUMBIA UNIVERSITY			
CA19145-01	BARRON, BRUCE A	STATISTICAL STUDIES OF GYNECOLOGICAL CANCERS	35,000
INSTITUTION TOTAL	1	35,000	
CORNELL UNIVERSITY MEDICAL CENTER			
GM22372-01	DARLINGTON, GRETCHEN J	ACTIVATION OF HEPATIC GENES IN CELL HYBRIDS	81,849
INSTITUTION TOTAL	1	81,849	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
HOSPITAL FOR SPECIAL SURGERY			
AM18412-01	POSNER, AARON S	ULTRASTRUCTURE OF BONE MINERAL	39,736
INSTITUTION TOTAL	1	39,736	
NEW YORK UNIVERSITY			
ES01470-01	NELSON, NORTON	RESEARCH PLANNING IN ENVIRONMENTAL HEALTH SCIENCES	125,397
INSTITUTION TOTAL	1	125,397	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
CA18856-01	STOCK, C CHESTER	AN EXPERIMENTAL CANCER CHEMOTHERAPY PROGRAM	272,022
INSTITUTION TOTAL	1	272,022	
YESHIVA UNIVERSITY			
GM22780-01	PORTER, KEITH R	AN INTERNATIONAL CONGRESS ON CELL BIOLOGY	25,000
INSTITUTION TOTAL	1	25,000	
CITY TOTAL	6	579,004	
STATE TOTAL	9	654,722	
OREGON			
EUGENE			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON			
GM22731-01	STREISINGER, GEORGE	GENETIC STUDIES WITH ZEBRA FISH (BRACHYDANIO RERIO)	87,098
INSTITUTION TOTAL	1	87,098	
CITY TOTAL	1	87,098	
STATE TOTAL	1	87,098	
PENNSYLVANIA			
PHILADELPHIA			
CHILDREN'S HOSPITAL OF PHILADELPHIA			
CA19291-01	EVANS, AUDREY E	MODERN CONCEPTS IN BRAIN TUMOR THERAPY	63,442
INSTITUTION TOTAL	1	63,442	
UNIVERSITY OF PENNSYLVANIA			
LM02630-01	KOHLER, ROBERT E	BIOCHEMISTRY, BIOMEDICINE AND THEIR PATRONS, 1914-1940	7,257
INSTITUTION TOTAL	1	7,257	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	2	70,699	
PENNSYLVANIA			
PITTSBURGH			
UNIVERSITY OF PITTSBURGH			
GM22760-01	COHEN, THEODORE	SYNTHETIC METHODS USING NEW COPPER-SULFUR TECHNOLOGY	42,844
CA18065-01	EDMONDS, MARY P	BIOGENESIS OF MESSENGER RNA IN ANIMAL CELLS	74,590
INSTITUTION TOTAL	2	117,434	
CITY TOTAL	2	117,434	
STATE TOTAL	4	188,133	
RHODE ISLAND			
KINGSTON			
GORDON RESEARCH CONFERENCES			
GM22932-01	BROWN, GEORGE B	CONFERENCE: PURINES AND RELATED COMPOUNDS	10,150
GM23017-01	DAYTON, PETER G	GORDON RESEARCH CONFERENCE ON DRUG METABOLISM, 1976	4,403
INSTITUTION TOTAL	2	14,553	
CITY TOTAL	2	14,553	
PROVIDENCE			
BROWN UNIVERSITY			
CA18530-01	MASSOVER, WILLIAM H	FORM AND FUNCTION OF NORMAL AND NEOPLASTIC FERRITINS	64,082
INSTITUTION TOTAL	1	64,082	
CITY TOTAL	1	64,082	
STATE TOTAL	3	78,635	
SOUTH CAROLINA			
COLUMBIA			
UNIVERSITY OF SOUTH CAROLINA			
AM18983-01	WUTHIER, ROY E	ROLE OF MATRIX VESICLES IN CALCIFICATION	42,352
INSTITUTION TOTAL	1	42,352	
CITY TOTAL	1	42,352	
STATE TOTAL	1	42,352	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
CA18455-01	WRAY, GRANVILLE W	ISOLATED CHROMOSOMES IN GENETICS AND CANCER RESEARCH	43,145
INSTITUTION TOTAL	1	43,145	
CITY TOTAL	1	43,145	
STATE TOTAL	1	43,145	
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
GM22938-01	SAYER, JANE M	TIMING OF PROTON TRANSFER IN CARBONYL ADDITIONS	26,692
INSTITUTION TOTAL	1	26,692	
CITY TOTAL	1	26,692	
STATE TOTAL	1	26,692	
WASHINGTON			
SEATTLE			
FRED HUTCHINSON CANCER RESEARCH CENTER			
CA18789-01	HUTCHINSON, WILLIAM B	CANCER CENTER SCIENTIFIC SYMPOSIUM	5,662
CA18852-01	HUTCHINSON, WILLIAM B	EXPLORATORY STUDIES IN CANCER RESEARCH	34,650
INSTITUTION TOTAL	2	40,312	
UNIVERSITY OF WASHINGTON			
CA18354-01	KLEBANOFF, SEYMOUR J	TUMOR CELL CYTOTOXICITY OF PHAGOCYTIC CELLS	57,000
CA19120-01	PARKER, ROBERT G	EXPLORATORY STUDIES IN CANCER RESEARCH	34,676
INSTITUTION TOTAL	2	91,676	
CITY TOTAL	4	131,988	
STATE TOTAL	4	131,988	
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
GM21567-01A1	WEBSTER, JOHN G	ELECTRODE MOTION ARTIFACT REDUCTION	8,020
INSTITUTION TOTAL	1	8,020	
CITY TOTAL	1	8,020	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	1	8,020	
ICELAND			
REYKJAVIK			
ICELAND CANCER SOCIETY			
GM22370-01	BJARNASON, OLAFUR	GENEALOGICAL RESOURCE FOR MEDICAL RESEARCH	67,930
INSTITUTION TOTAL	1	67,930	
CITY TOTAL	1	67,930	
STATE TOTAL	1	67,930	
TOTAL	54	2,448,772	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA				
LOS ANGELES				
CEDARS-SINAI MEDICAL CENTER				
HD62826-00	WADE, MACLYN E		EVALUATE TWO METHODS OF NATURAL FAMILY PLANNING	538,183
INSTITUTION TOTAL	1	538,183		
CITY TOTAL	1	538,183		
MENLO PARK				
STANFORD RESEARCH INSTITUTE				
CP65756-00	REIST, ELMER J		PREPARATION, PURIFICATION & ANALYSIS OF THREE COMPOUNDS	13,315
INSTITUTION TOTAL	1	13,315		
CITY TOTAL	1	13,315		
SAN FRANCISCO				
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO				
CM67055-00	WILSON, CHARLES B		THERAPY OF PATIENTS WITH BRAIN TUMORS	86,956
INSTITUTION TOTAL	1	86,956		
CITY TOTAL	1	86,956		
STANFORD				
STANFORD UNIVERSITY				
CP61026-00	LEHMAN, I E		LARGE SCALE PRODUCTION OF DNA LIGASE & DNA POLYMERASE I	53,758
INSTITUTION TOTAL	1	53,758		
CITY TOTAL	1	53,758		
TORRANCE				
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL				
HD62817-00	SWERDLOFF, RONALD S		EVALUATE TESTOSTERONE ENANTHATE-INDUCED AZOOSPERMIA	94,551
INSTITUTION TOTAL	1	94,551		
CITY TOTAL	1	94,551		
STATE TOTAL	5	786,763		
DIST OF COL				
WASHINGTON				
AMERICAN INSTITUTES FOR RESEARCH				
HD62824-00	MILLER, WARREN B		ATTITUDE AND PREDICTION OF CONTRACEPTIVE BEHAVIOR	23,205

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	23,205		
DIST OF COL				
WASHINGTON				
HERNER & COMPANY				
LM64707-00	HERNER, MARY		INDEXING JOURNAL ARTICLES IN THE BIOMEDICAL SCIENCES	88,350
INSTITUTION TOTAL	1	88,350		
CITY TOTAL	2	111,555		
STATE TOTAL	2	111,555		
FLORIDA				
MIAMI				
UNIVERSITY OF MIAMI				
CM67077-00	SIGEL, MICHAEL M		CELL CULTURE SCREENING OF NEW MATERIALS FOR CYTOTOXICITY	124,953
INSTITUTION TOTAL	1	124,953		
CITY TOTAL	1	124,953		
STATE TOTAL	1	124,953		
ILLINOIS				
CHICAGO				
AMERICAN COLLEGE OF SURGEONS				
CN65282-00	MAYER, ANDREW		NATIONAL CANCER CONSULTATIVE PROGRAMS FOR HOSPITALS	321,401
INSTITUTION TOTAL	1	321,401		
IIT RESEARCH INSTITUTE				
CM63832-00	REED, JOSEPHINE M		SCREENING OF NEW MATERIALS FOR CYTOTOXICITY	77,405
INSTITUTION TOTAL	1	77,405		
CITY TOTAL	2	398,806		
STATE TOTAL	2	398,806		
INDIANA				
INDIANAPOLIS				
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS				
CM67057-00	MEALEY, JOHN JR		THERAPY OF PATIENTS WITH BRAIN TUMORS	51,919
INSTITUTION TOTAL	1	51,919		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	51,919	
STATE TOTAL	1	51,919	
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
HD62827-00	KISKER, C THOMAS	COAGULATION CHANGES IN HUMAN VASECTOMY	52,625
INSTITUTION TOTAL	1	52,625	
CITY TOTAL	1	52,625	
STATE TOTAL	1	52,625	
LOUISIANA			
NEW IBERIA			
GULF SOUTH RESEARCH INSTITUTE--ATCHAFALAYA BASIN LABORATORIES			
RS62112-00	GREER, WILLIAM E	PROCUREMENT OF TIMED PREGNANT RHESUS MONKEYS	193,000
INSTITUTION TOTAL	1	193,000	
CITY TOTAL	1	193,000	
STATE TOTAL	1	193,000	
MARYLAND			
BELTSVILLE			
INFORMATION DEVELOPMENT AND APPLICATIONS			
LM64705-00	MATHESON, RODERICK	LEARNING RESOURCE CENTER SUPPORT	15,000
INSTITUTION TOTAL	1	15,000	
CITY TOTAL	1	15,000	
GAITHERSBURG			
GECMET, INC.			
CB64017-00	POCINKI, LEON	ASSESS MANPOWER NEEDS IN CLINICAL ONCOLOGY SPECIALTIES	92,000
INSTITUTION TOTAL	1	92,000	
CITY TOTAL	1	92,000	
ROCKVILLE			
ENVIRO CONTROL			
CP65759-00	FENSTERSTOCK, J C	SERVICES TO THE DIET, NUTRITION AND CANCER PROGRAM	121,052

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	121,052	
CITY TOTAL	1	121,052	
STATE TOTAL	3	228,052	
MASSACHUSETTS			
BOSTON			
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL			
CN65311-00	GATES, CHRISTOPHER C	PSYCHOLOGICAL ASPECTS OF BREAST CANCER	265,434
INSTITUTION TOTAL	1	265,434	
CITY TOTAL	1	265,434	
CAMBRIDGE			
HARVARD UNIVERSITY			
OD62109-00	LAWRENCE, PAUL R	A STUDY OF HOW THE NIH MANAGES RESEARCH	55,714
INSTITUTION TOTAL	1	55,714	
CITY TOTAL	1	55,714	
WALTHAM			
FIRST DATA CORPORATION			
RR62118-00	FRIESEN, DAVID D	COMPUTER FACILITY FOR CHEMICAL/BIOLOGICAL INFORMATION	290,281
INSTITUTION TOTAL	1	290,281	
CITY TOTAL	1	290,281	
STATE TOTAL	3	611,429	
MICHIGAN			
GRAND RAPIDS			
BUTTERWORTH HOSPITAL			
CN65290-00	MOORHEAD, EDWARD L, II	CLINICAL ONCOLOGY PROGRAM	74,959
INSTITUTION TOTAL	1	74,959	
CITY TOTAL	1	74,959	
STATE TOTAL	1	74,959	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MISSOURI			
SAINT LOUIS			
ST. LOUIS UNIVERSITY			
HD62823-00	CAVANAGH, DENIS	CORRELATE CERVICAL MUCUS CHANGES WITH SERUM HORMONES	102,680
INSTITUTION TOTAL	1	102,680	
CITY TOTAL	1	102,680	
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
CT62121-00	MARSHALL, GARLAND R	TRANSITIONS OF MONODISPERSE OLIG-V-METHYL-GLUTAMATES	12,966
INSTITUTION TOTAL	1	12,966	
CITY TOTAL	1	12,966	
STATE TOTAL	2	115,646	
NEW JERSEY			
CAMDEN			
INSTITUTE FOR MEDICAL RESEARCH			
GM62119-00	CORIELL, LEWIS L	OPERATION OF A REPOSITORY FOR HUMAN MUTANT CELL LINES	356,695
INSTITUTION TOTAL	1	356,695	
CITY TOTAL	1	356,695	
WESTMONT			
KESSLER COMMUNICATIONS			
LM64708-00	KESSLER, S SIM	INDEXING JOURNAL ARTICLES IN THE BIOMEDICAL SCIENCES	66,080
INSTITUTION TOTAL	1	66,080	
CITY TOTAL	1	66,080	
STATE TOTAL	2	422,775	
NEW YORK			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
CN65276-00	WASSERMAN, LOUIS	PROTOTYPE CLINICAL CHEMOTHERAPY CANCER CONTROL PROGRAM	468,952
INSTITUTION TOTAL	1	468,952	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
NEW YORK				
NEW YORK				
COMMUNITY BLOOD COUNCIL OF GREATER NEW YORK				
AI62500-00	PRINCE, ALFRED		EVALUATE POLYVALENT HEPATITIS B VACCINE IN CHIMPANZEES	114,389
INSTITUTION TOTAL	1	114,389		
NEW YORK UNIVERSITY				
CM67059-00	RANSOHOFF, JOSEPH		THERAPY OF PATIENTS WITH BRAIN TUMORS	91,610
INSTITUTION TOTAL	1	91,610		
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH				
CP61022-00	EISINGER, MAGDALENA		STUDIES OF HUMAN WART VIRUS IN TISSUE	99,492
INSTITUTION TOTAL	1	99,492		
CITY TOTAL	4	774,443		
STATE TOTAL	4	774,443		
NORTH CAROLINA				
DURHAM				
DUKE UNIVERSITY				
CM67010-00	MAHALEY, M S, JR		THERAPY OF PATIENTS WITH BRAIN TUMORS	106,941
INSTITUTION TOTAL	1	106,941		
CITY TOTAL	1	106,941		
WINSTON-SALEM				
WAKE FOREST UNIVERSITY				
CM67054-00	ALEXANDER, EBEN, JR		THERAPY OF PATIENTS WITH BRAIN TUMORS	38,564
INSTITUTION TOTAL	1	38,564		
CITY TOTAL	1	38,564		
STATE TOTAL	2	145,505		
OHIO				
COLUMBUS				
OHIO STATE UNIVERSITY				
CM67060-00	HUNT, WILLIAM E		THERAPY OF PATIENTS WITH BRAIN TUMORS	46,772
INSTITUTION TOTAL	1	46,772		
CITY TOTAL	1	46,772		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	1	46,772		
PENNSYLVANIA				
PHILADELPHIA				
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA				
LM64706-00	PETERS, ALEC		INDEXING JOURNAL ARTICLES IN THE BIOMEDICAL SCIENCES	95,368
INSTITUTION TOTAL	1	95,368		
CITY TOTAL	1	95,368		
STATE TOTAL	1	95,368		
TENNESSEE				
MEMPHIS				
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES				
CP61020-00	SIADIAN, E M		FRESH AND FROZEN BRAIN TISSUES FOR CANCER RESEARCH	27,000
INSTITUTION TOTAL	1	27,000		
CITY TOTAL	1	27,000		
STATE TOTAL	1	27,000		
TEXAS				
HOUSTON				
BAYLOR COLLEGE OF MEDICINE				
HD62816-00	KOHLER, PETER O		EVALUATE TESTOSTERONE ENANTHATE-INDUCED AZOOSPERMIA	59,124
INSTITUTION TOTAL	1	59,124		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER				
CP61017-00	ARLINGHAUS, RALPH B		BIOSYNTHESIS OF ONCORNA PROTEINS IN MAMMALIAN CELLS	90,450
INSTITUTION TOTAL	1	90,450		
CITY TOTAL	2	149,574		
STATE TOTAL	2	149,574		
VIRGINIA				
ARLINGTON				
DATA USE AND ACCESS LABORATORIES				
HD62828-00	HILL, GARY L		TRAINING PROGRAMS FOR ACCESSING UNIT RECORD DATA FILES	199,016
INSTITUTION TOTAL	1	199,016		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	199,016	
VIRGINIA			
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
ES62117-00	GUZELIAN, PHILIP S, JR	STUDY PHARMACOKINETICS AND TOXICITY OF KEPONE	78,801
INSTITUTION TOTAL	1	78,801	
CITY TOTAL	1	78,801	
STATE TOTAL	2	277,817	
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
CP65735-00	HEIDELBERGER, CHARLES D	10T 1/2 CELL CULTURE ASSAY FOR CARCINOGENESIS SCREENING	57,684
INSTITUTION TOTAL	1	57,684	
CITY TOTAL	1	57,684	
STATE TOTAL	1	57,684	
ITALY			
PAVIA			
UNIVERSITY OF PAVIA			
CM67056-00	PAOLETTI, PIETRO	THERAPY OF PATIENTS WITH BRAIN TUMORS	21,000
INSTITUTION TOTAL	1	21,000	
CITY TOTAL	1	21,000	
STATE TOTAL	1	21,000	
SWITZERLAND			
GENEVA			
INTERNATIONAL UNION AGAINST CANCER			
CO65341-00	DELAFRESNAYE, J F	INTERNATIONAL SCIENTIST INFORMATION EXCHANGE PROGRAM	166,658
INSTITUTION TOTAL	1	166,658	
CITY TOTAL	1	166,658	
STATE TOTAL	1	166,658	
TOTAL	40	4,934,303	

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
TW00062-01	SEGUNDO, JOSE P	NEUROLOGY AND BEHAVIOR	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STANFORD			
STANFORD UNIVERSITY			
TW00072-01	THARP, BARRY R	PEDIATRIC NEUROLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
TW00063-01	BLAIR, EMIL	THORACIC SURGERY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
FLORIDA			
MIAMI			
UNIVERSITY OF MIAMI			
TW00056-01	MINTZ, DANIEL H	ENDOCRINOLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
TW00061-01	LEVY, DAVID A	IMMUNOLOGY OF INSECTS	F06
INSTITUTION TOTAL	1		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	1		
STATE TOTAL	1		
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
TW00064-01	COOPER, STEPHEN	MOLECULAR BIOLOGY	F06
TW00074-01	HANKS, CARL T	ORAL PATHOLOGY	F06
INSTITUTION TOTAL	2		
CITY TOTAL	2		
EAST LANSING			
MICHIGAN STATE UNIVERSITY			
TW00054-01	FABREGA, HORACIO, JR	NEUROPSYCHIATRY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
NEW YORK			
BUFFALO			
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
TW00057-01	BENTZEL, CARL J	MOLECULAR BIOLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
NEW YORK			
COLUMBIA UNIVERSITY			
TW00070-01	FAHN, STANLEY	NEUROPHARMACOLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
TW00048-01	BRUMLEY, GEORGE W	PREMATURITY AND THE NEWBORN	F06

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
PENNSYLVANIA			
PHILADELPHIA			
TEMPLE UNIVERSITY			
TW00075-01	CHARKES, N DAVID	NUCLEAR MEDICINE	F06
INSTITUTION TOTAL	1		
UNIVERSITY OF PENNSYLVANIA			
TW00055-01	HOLTZER, HOWARD	CELL BIOLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	2		
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
TW00059-01	DUNN, MICHAEL J	RENAL DISEASES	F06
TW00050-01	WOODWORTH, ROBERT C	INORGANIC CHEMISTRY	F06
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
TOTAL	15		

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
COLORADO			
DENVER			
NATIONAL ASTHMA CENTER			
LM02646-01A1	AUSTIN, DAVID J	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
LMC2646-01	AUSTIN, DAVID J	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	2	6,000	
CITY TOTAL	2	6,000	
STATE TOTAL	2	6,000	
KANSAS			
HUTCHINSON			
HUTCHINSON HOSPITAL CORPORATION			
LM02674-01	STRAHAN, PAMELA	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	2,500
INSTITUTION TOTAL	1	2,500	
CITY TOTAL	1	2,500	
STATE TOTAL	1	2,500	
MARYLAND			
COLUMBIA			
HOWARD COUNTY GENERAL HOSPITAL			
LM02762-01	HUSSEY, THEODORE A	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,250
INSTITUTION TOTAL	1	3,250	
CITY TOTAL	1	3,250	
STATE TOTAL	1	3,250	
MONTANA			
HELENA			
SHODAIR CRIPPLED CHILDREN'S HOSPITAL			
LM02721-01	STEEN, RUSSELL	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	1,575
INSTITUTION TOTAL	1	1,575	
CITY TOTAL	1	1,575	
STATE TOTAL	1	1,575	

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
SOUTH DAKOTA			
MOBRIDGE			
MOBRIDGE COMMUNITY HOSPITAL			
LM02383-01A1	O'KEEFE, SHARON	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
STATE TOTAL	1	3,000	
TOTAL	6	16,325	

DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD. 20014

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REPORT 19 M

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service

U.S. NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

MARCH and APRIL 1976

PREPARED BY

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

STATISTICS AND ANALYSIS BRANCH

NIH LIBRARY

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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AG NATIONAL INSTITUTE ON AGING
AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES
CA NATIONAL CANCER INSTITUTE

- CA DIVISION OF CANCER RESEARCH RESOURCES AND CENTERS
- CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS
- CM DIVISION OF CANCER TREATMENT
- CN OFFICE OF CANCER CONTROL
- CO OFFICE OF THE DIRECTOR, NCI
- CP DIVISION OF CANCER CAUSE AND PREVENTION

CL CLINICAL CENTER
CT DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE NATIONAL INSTITUTE OF DENTAL RESEARCH
ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
EY NATIONAL EYE INSTITUTE
GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HL NATIONAL HEART AND LUNG INSTITUTE

- HB DIVISION OF BLOOD DISEASES AND RESOURCES
- HI DIVISION OF INTRAMURAL RESEARCH
- HO OFFICE OF THE DIRECTOR, NHLI
- HR DIVISION OF LUNG DISEASES
- HV DIVISION OF HEART AND VASCULAR DISEASES

JT JOINT CONTRACT SPONSORSHIP
LM NATIONAL LIBRARY OF MEDICINE
NS NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
OD OFFICE OF THE DIRECTOR, NIH
RG DIVISION OF RESEARCH GRANTS
RR DIVISION OF RESEARCH RESOURCES
RS DIVISION OF RESEARCH SERVICES
TW FOGARTY INTERNATIONAL CENTER

GRANTS AND AWARDS ANNOUNCED DURING MARCH AND APRIL 1976

I/D	RESEARCH GRANTS*		RESEARCH CAREER PROGRAM AWARDS		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS		OTHER AWARDS	
	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
AG					1	42,400										
AT	19	728,699	1	25,000	4	192,309										
AM	62	2,842,560	2	46,500	9	389,116			6	54,200						
CA	25	1,089,707			2	131,039	1	206,258			1	89,526				
CB					8	804,660										
CL					1	520,585										
CM					16	1,882,571										
CN					25	3,618,367										
CO					2	203,732										
CP					24	3,517,139										
DE	20	534,052	7	160,600					9	107,000						
ES	1	45,483			3	277,456										
FY	18	594,969							4	43,850						
GM	176	7,675,881			2	779,656			65	681,920						
HB					2	134,988										
HD	38	1,707,183	2	48,000	12	1,372,474			23	249,037						
HL	101	5,131,446	7	161,817					27	308,600						
HR					4	327,815										
HV					21	1,319,936										
IM	1	10,287			15	1,748,640							1	47,641		
NS	35	1,914,864	4	96,000	2	135,456			14	144,600						
RR	22	761,306	1	25,000	4	1,069,065			2	23,700						
RS					1	14,027										

*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS

GRANTS AND AWARDS ANNOUNCED DURING MARCH AND APRIL

T/D	RESEARCH GRANTS*		RESEARCH CAREER PROGRAM AWARDS		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS		OTHER AWARDS	
	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
TW	518	23,036,437	24	562,917	159	18,480,331	1	206,258	5 155	76,685 1,689,492	1	89,526	1	47,641		

*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
CA19196-01	MIHAS, ANASTASIOS	ONCOFETAL ANTIGEN(S) AND CARCINOMA OF THE PANCREAS	27,340
INSTITUTION TOTAL	1	27,340	
CITY TOTAL	1	27,340	
STATE TOTAL	1	27,340	
ARIZONA			
TEMPE			
ARIZONA STATE UNIVERSITY			
GM22388-01	BIEBER, ALLAN L	STRUCTURE AND ACTIVITY OF GUANINE AMINOHYDROLASES	16,197
INSTITUTION TOTAL	1	16,197	
CITY TOTAL	1	16,197	
TUCSON			
UNIVERSITY OF ARIZONA			
AM18706-01	CHVAPIL, MILOS	LYSYL OXIDASE IN HEALTH AND DISEASE	75,000
EY01633-01	CROSS, HAROLD E	VITREOUS SCARRING--COLLAGEN PACKING OR CROSS-LINKING?	33,332
GM22897-01	LINDELL, THOMAS J	ROLE OF PHOSPHORYLATION IN EUKARYOTIC TRANSCRIPTION	53,010
AI12970-01	STRUNK, ROBERT C	FUNCTION - SPECIFICITY OF TERMINAL COMPLEMENT ENZYMES	18,048
INSTITUTION TOTAL	4	179,390	
CITY TOTAL	4	179,390	
STATE TOTAL	5	195,587	
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
HL18574-01	LINDGREN, FRANK T	LIPOPROTEIN METHODOLOGY AND BIOMEDICAL APPLICATIONS	433,329
GM22652-01	MOCK, WILLIAM L	MECHANISM OF CARBOXYPEPTIDASE A	20,724
GM22810-01	O'KONSKI, CHESTER T	ELECTRO-OPTIC STUDIES OF ENZYMATICALLY MODIFIED DNA	23,898
GM22479-01	VOLLHARDT, K PETER	ROUTES TO PHYSIOLOGICALLY ACTIVE COMPOUNDS	20,784
INSTITUTION TOTAL	4	498,735	
CITY TOTAL	4	498,735	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NTH
RESEARCH GRANTS *

NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
RNIA			
ISITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
18-01	RUCKER, ROBERT B	CHARACTERIZATION OF LUNG ELASTINS	29,248
ITUTION TOTAL 1		29,248	
ITY TOTAL 1		29,248	
E			
RSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE			
54-01	BERNS, MICHAEL W	DIRECTED CHROMOSOME DELETIONS BY LASER	32,689
16-01	MC IVER, ROBERT T, JR	MASS SPECTROMETRY OF ULTRA-LOW VAPOR PRESSURE COMPOUNDS	84,092
85-01	OSBORNE, JERRY L	CO2-SENSITIVE RECEPTORS IN THE MAMMALIAN LUNG	35,607
15-01	WOOLFOLK, CLIFFORD A	BIOCHEMISTRY OF PURINE OXIDIZING ENZYMES	22,758
TITUTION TOTAL 4		175,146	
ITY TOTAL 4		175,146	
OLIA			
INSTITUTE FOR BIOLOGICAL STUDIES			
542-01	GIBBS, DON E	POLY-5'-AZANUCLEOTIDES IN NUCLEIC ACID SYNTHESIS	35,100
STITUTION TOTAL 1		35,100	
PPS CLINIC AND RESEARCH FOUNDATION			
393-01	CHISARI, FRANCIS V	IMMUNOBIOLOGY AND PATHOGENESIS OF HEPATITIS B	63,649
187-01	MORRISON, DAVID C	BIOCHEMICAL PARAMETERS OF LPS-INITIATED HOST RESPONSE	50,431
STITUTION TOTAL 2		114,080	
ERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
824-01	AKESON, WAYNE H	PATHOPHYSIOLOGY OF THE COMPARTMENT SYNDROME	75,766
2601-01	BERG, DARWIN K	SYNAPSES: SPECIFICITY OF FORMATION AND MAINTENANCE	48,996
3977-01	FRONEK, ARNOST	NONINVASIVE DIAGNOSIS OF PERIPHERAL ARTERIAL DISEASE	32,405
3223-01A1	MINH, VU-DINH	ROLE OF THE DIAPHRAGM IN REGIONAL LUNG MECHANICS	24,087
2630-01	ROSENBLATT, RICHARD H	RATES OF BIOCHEMICAL EVOLUTION: GENETICS OF FISH	45,000
8434-01	SCHNEIDER, JERRY A	IN VITRO CHARACTERIZATION OF CYSTINOTIC VARIANTS	52,732
1978-01A1	SMITH, DOUGLAS W	DNA REPLICATION IN E. COLI USING FOLDED CHROMOSOMES	66,790
2452-01	TAYLOR, SUSAN S	EVOLUTION OF LACTATE DEHYDROGENASES	25,415
2893-01	VARON, SILVIO S	SEPARATION OF VIABLE NEURONS AND NEUROGLIAL CELLS	52,146
9562-01	WILSON, DORIS B	CEREBROVASCULAR RESPONSE TO EMBRYONIC OVERGROWTH	51,318
9728-01	YEN, SAMUEL S	NEUROENDOCRINE CONTROL OF THE ADENOHYPOPHYSIS	49,646
NSTITUTION TOTAL 11		524,301	
CITY TOTAL 14		673,481	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LOMA LINDA			
LOMA LINDA UNIVERSITY			
HD10029-01	GILBERT, RAYMOND D	ADAPTATIONS OF THE FETAL CARDIOVASCULAR SYSTEM	51,398
INSTITUTION TOTAL	1	51,398	
CITY TOTAL	1	51,398	
LOS ANGELES			
CHARLES R. DREW POSTGRADUATE MEDICAL SCHOOL			
RR05780-01	ALFRED, LAWRENCE J	BIOMEDICAL RESEARCH SUPPORT GRANT	56,727
INSTITUTION TOTAL	1	56,727	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
GM22883-01	BRUNK, CLIFFORD F	MOLECULAR EVENTS LEADING TO CELLULAR DIFFERENTIATION	41,437
HL19063-01	EDWARDS, PETER A	CHOLESTEROL AND LIPOPROTEIN METABOLISM	40,766
EY01622-01	HORWITZ, JOSEPH	BIOPHYSICAL AND BIOCHEMICAL STUDIES OF LENS PROTEINS	54,970
NS12873-01	HOWARD, BRUCE D	BIOCHEMICAL STUDIES OF SYNAPSES	41,554
AM19043-01	MARKOLF, KEITH L	LIGAMENTOUS STABILITY OF THE KNEE	62,611
NS12901-01	O'LAGUE, PAUL H	ELECTROPHYSIOLOGY OF DEVELOPING NEURONS IN CULTURE	43,314
GM22974-01	RUBINSTEIN, EDUARDO H	CARDIOVASCULAR STABILITY AND DEPTH OF ANESTHESIA	53,175
INSTITUTION TOTAL	7	337,827	
UNIVERSITY OF SOUTHERN CALIFORNIA			
HL19084-01	ALADJEM, FREDERICK	STRUCTURE AND FUNCTION OF HUMAN SERUM LIPOPROTEINS	72,000
CA18259-01	IPSETT, JAMES A	RADIATION THERAPY ONCOLOGY GROUP	40,820
CA19171-01	MACK, THOMAS M	CASE CONTROL STUDY OF CARCINOMA OF THE PANCREAS	45,601
AM18959-01	MASSRY, SHAUL G	BLOOD BRAIN BARRIER AND CALCIUM	46,780
GM22721-01	SEGAL, GERALD A	CIRCULAR DICHROISM SPECTRA IN THE VACUUM UITRAVIOLET	23,632
INSTITUTION TOTAL	5	228,833	
CITY TOTAL	13	623,387	
MENLO PARK			
STANFORD RESEARCH INSTITUTE			
HL19066-01	COLWELL, WILLIAM T	SYNTHESIS AND EVALUATION OF PROSTAGLANDIN METABOLITES	38,660
HL19076-01	JENSEN, RICHARD A	VAGAL CONTROL OF HEART RATE: A BIOPHYSICAL MODEL	58,385
HD09978-01	TANABE, MASATO	C-13 SUBSTITUTED STEROIDS AS ANTIFERTILITY AGENTS	37,143
INSTITUTION TOTAL	3	134,189	
CITY TOTAL	3	134,188	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
PALO ALTO			
PALO ALTO MEDICAL RESEARCH FOUNDATION			
GM22545-01	HOFSTEE, BAREND H	PROTEIN FRACTIONATION ON HYDROPHOBICITY GRADIENTS	40,003
INSTITUTION TOTAL	1	40,003	
CITY TOTAL	1	40,003	
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
GM22909-01	DERVAN, PETER B	PROTEIN-NUCLEIC ACID CROSS-LINKING REAGENTS	34,394
INSTITUTION TOTAL	1	34,394	
CITY TOTAL	1	34,394	
RIVERSIDE			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT RIVERSIDE			
GM22761-01	SAWYER, DONALD T	MN COMPLEXES AS MODELS FOR SOD AND 02 PHOTOSYNTHESIS	44,180
INSTITUTION TOTAL	1	44,180	
CITY TOTAL	1	44,180	
SAN FRANCISCO			
SCIENTIFIC ANALYSIS CORPORATION			
RR05782-01	MILLER, DOROTHY L	BIOMEDICAL RESEARCH SUPPORT GRANT	29,130
INSTITUTION TOTAL	1	29,130	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
AM18878-01	BAXTER, JOHN D	MECHANISM OF THYROID HORMONE ACTION	47,728
AM19098-01	ELIAS, PETER M	NATURE OF THE MAMMALIAN CUTANEOUS PERMEABILITY BARRIER	43,929
AM19047-01	JAMES, THOMAS L	MAGNETIC RESONANCE STUDIES OF SICKLE CELL DISEASE	25,151
HL18480-01	LEMANSKI, LARRY F	GENETIC CARDIOMYOPATHIES	36,105
AM18677-01	LI, CHOH H	HCS(HPL): STRUCTURE-FUNCTION RELATIONSHIPS	63,865
GM22982-01	OPPENHEIMER, NORMAN J	STRUCTURE/FUNCTION RELATIONS IN PYRIDINE COENZYMES	36,795
HD09980-01	PARER, JULIAN T	FETAL HEART RATE PATTERNS AND FETAL OXYGENATION	54,349
HL18076-01	SOKOLOW, MAURICE	CLINICAL APPLICATION OF AMBULATORY BLOOD PRESSURES	60,288
AM19152-01	WILSON, CHRISTINE W	ANALYSIS OF NUTRITION AND HEALTH DATA FROM MALAYSIA	5,000
INSTITUTION TOTAL	9	373,210	
CITY TOTAL	10	402,340	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
SANTA MONICA			
RAND CORPORATION			
HD09893-01	MORRISON, PETER A	DETERMINANTS OF ECONOMIC SUCCESS AMONG MIGRANTS	45,519
INSTITUTION TOTAL	1	45,519	
CITY TOTAL	1	45,519	
STANFORD			
STANFORD UNIVERSITY			
GM22113-01A1	COHEN, ELLIS N	MECHANISM OF LOCAL ANESTHETIC CONDUCTION BLOCK	42,305
HL18660-01	HUESTIS, WRAY H	NEUROTRANSMITTER RECEPTORS IN HUMAN ERYTHROCYTES	48,123
GM22746-01	MAZZE, RICHARD I	NEPHROTOXICITY OF FLUORINATED ANESTHETICS	43,884
GM22517-01	PECORA, ROBERT	DYNAMIC LIGHT SCATTERING FROM BIOLOGICAL SYSTEMS	41,819
HD09872-01	YEAGER, ANNE S	CYTOMEGALOVIRUS: TRANSMISSION TO NEWBORNS BY BLOOD	37,825
INSTITUTION TOTAL	5	213,956	
CITY TOTAL	5	213,956	
THOUSAND OAKS			
AMERICAN SOCIETY OF ZOOLOGISTS			
GM22624-01	HILLMAN, RALPH	SYMPOSIUM ON GENE REGULATION AND DEVELOPMENT	14,030
INSTITUTION TOTAL	1	14,030	
CITY TOTAL	1	14,030	
STATE TOTAL	60	2,980,005	
COLORADO			
BOULDER			
UNIVERSITY OF COLORADO			
GM22951-01	SUEOKA, NOBORU	TRANSCRIPTION IN BRAIN AND NEUROTUMOR CELLS	10,000
NS12226-01A1	SUH, CHUNG-H	SCIENTIFIC RESEARCH ON FUNDAMENTALS OF CHIROPRACTIC	126,675
INSTITUTION TOTAL	2	136,675	
CITY TOTAL	2	136,675	
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
DE04290-01	CISAR, JOHN O	IMMUNOCHEMISTRY OF ORAL ACTINOMYCES SURFACE ANTIGENS	10,000
GM21948-01A1	CUMMINGS, DONALD J	REPLICATION, FUNCTION AND BIOGENESIS OF MITOCHONDRIA	35,864

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
AM18929-01	EIPPER, ELIZABETH A	BIOCHEMISTRY AND PHYSIOLOGY OF MULTIPLE FORMS OF ACTH	62,863
HL18507-01	HATHAWAY, WILLIAM E	CLINICAL STUDIES OF FLETCHER FACTOR	24,263
AM18890-01	HUFFER, WILLIAM E	PATHOLOGY OF BONE IN DIALYSIS PATIENTS	13,982
DE04282-01	REUSCH, VICTOR M, JR	BIOSYNTHESIS OF SURFACE POLYMERS BY ORAL ACTINOMYCES	10,000
HL19018-01	SCHWARZ, MARVIN I	ETIOLOGIC FACTORS IN CRYPTOGENIC FIBROSING ALVEOLITIS	21,338
INSTITUTION TOTAL	7	178,310	
UNIVERSITY OF DENVER			
GM22631-01	ASHLEY, TERRY F	INVESTIGATION OF CHROMOSOMAL ORGANIZATION IN NUCLEI	44,700
HD09613-01	HARTER, SUSAN	THE DEVELOPMENT OF MOTIVE HIERARCHIES IN CHILDREN	39,376
INSTITUTION TOTAL	2	84,076	
CITY TOTAL	9	262,386	
FORT COLLINS			
COLORADO STATE UNIVERSITY			
HL18239-01A1	MATHIAS, MELVIN M	DIETARY FAT COMPOSITION AND PROSTAGLANDIN SYNTHESIS	24,086
GM22580-01	PAULE, MARVIN R	GENE SELECTION BY MULTIPLE EUKARYOTIC RNA POLYMERASES	39,895
INSTITUTION TOTAL	2	63,981	
CITY TOTAL	2	63,981	
STATE TOTAL	13	463,042	
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
GM22621-01	BERLIN, RICHARD D	DYNAMIC INTERACTIONS OF MEMBRANES, ACTION & MICROTUBULES	56,621
HL18937-01	FEINSTEIN, MAURICE B	CYCLIC NUCLEOTIDES AND CALCIUM IN PLATELETS	26,410
DE04327-01	RODAN, GIDEON A	MECHANICAL AND ELECTRICAL EFFECTS ON OSTEOGENESIS	48,890
GM22497-01	SHERLINE, PETER	MICROTUBULES AND THE MECHANISM OF SECRETION	41,800
INSTITUTION TOTAL	4	173,721	
CITY TOTAL	4	173,721	
MIDDLETOWN			
WESLEYAN UNIVERSITY			
AI12942-01	PRATT, REX F	BETA-LACTAMASES AND BACTERIAL PENICILLIN RESISTANCE	37,352
INSTITUTION TOTAL	1	37,352	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	37,352	
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
AM18778-01	ARMITAGE, IAN M	STUDY OF MACROMOLECULAR STRUCTURE AND FUNCTION BY NMR	35,970
AM19009-01	BLOOMER, JOSEPH R	PROTOPORPHYRIA: STUDY WITH CULTURED SKIN FIBROBLASTS	38,138
GM22797-01	CRONAN, JOHN E, JR	PROTEIN-LIPID INTERACTION	34,407
GM22142-01	EISENSTADT, JEROME M	REGULATION OF MAMMALIAN MITOCHONDRIAL BIOGENESIS	20,000
GM22350-01	GERLT, JOHN A	ENZYMOLOGY OF PHOSPHORUS METABOLISM	36,128
EY01656-01	REID, TED W	ROLE OF GLUTAMINE TRANSFERASE IN THE RETINA	27,189
GM22778-01	RICHARDS, FREDERIC M	PROGRAM IN MACROMOLECULAR STRUCTURE, MOTION, CONTROL	385,513
INSTITUTION TOTAL	7	577,345	
CITY TOTAL	7	577,345	
STATE TOTAL	12	788,418	
DIST OF COL			
WASHINGTON			
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE			
CA20119-01	BROWN, JANET W	MINORITIES IN SCIENCE	20,000
INSTITUTION TOTAL	1	20,000	
CARNEGIE INSTITUTION OF WASHINGTON, D. C.			
GM22942-01	PAGANO, RICHARD E	PHOSPHOLIPID-CHOLESTEROL DYNAMICS IN MAMMALIAN CELLS	40,775
INSTITUTION TOTAL	1	40,775	
GEORGE WASHINGTON UNIVERSITY			
GM22369-01	JACKSON, MICHAEL J	DRUG TRANSPORT IN THE GI TRACT AND OTHER EPITHELIA	15,200
HL18850-01	PIPBERGER, HUBERT V	CLASSIFICATION CODE FOR FRANK ORTHOGONAL ECG	42,788
AM18786-01	SMITH-GILL, SANDRA J	MITOTIC CONTROLS IN THYROXIN-INDUCED DIFFERENTIATION	28,942
INSTITUTION TOTAL	3	86,930	
GEORGETOWN UNIVERSITY			
HL19056-01	HAMOSH, MARGIT	BLOOD TRIGLYCERIDE AND LIPOPROTEIN LIPASE IN THE LUNG	36,920
CA19397-01	HARBERT, JOHN C	ACTA-SCAN DIAGNOSIS OF PANCREATIC CARCINOMA	27,300
CA17583-01	SCHEIN, PHILIP S	PHARMACOLOGY OF NONMYELOSUPPRESSIVE ANTITUMOR AGENTS	54,094
INSTITUTION TOTAL	3	118,314	
CITY TOTAL	8	266,019	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	8	266,019	
FLORIDA			
CORAL GABLES			
UNIVERSITY OF MIAMI			
GM22468-01	AWAD, WILLIAM M, JR	CHARACTERIZATION OF PRONASE ENZYMES	48,355
INSTITUTION TOTAL	1	48,355	
CITY TOTAL	1	48,355	
GAINESVILLE			
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA			
GM22421-01	DUNN, BEN M	QUANTITATIVE AFFINITY CHROMATOGRAPHY	42,752
GM22744-01	GURIN, SAMUEL	HOMARINE AND PYRIDINE CARBOXYLIC ACIDS IN CRUSTACEA	19,470
HD09604-01	SELMAN, KELLY	BLOCKS TO POLYSPERMY DURING MAMMALIAN FERTILIZATION	29,258
GM21920-01A1	WELTNER, WILLIAM, JR	BIOPHYSICAL PROPERTIES OF CELL-SURFACE CARBOHYDRATES	25,129
INSTITUTION TOTAL	4	116,609	
CITY TOTAL	4	116,609	
MIAMI			
UNIVERSITY OF MIAMI			
HL19044-01	BASSETT, ARTHUR L	EFFECT OF DRUGS ON DEVELOPMENT OF CARDIAC FAILURE	53,832
AM19133-01	SARMIENTO, AUGUSTO	THE FUNCTION OF THE INTEROSSEOUS MEMBRANE	18,731
INSTITUTION TOTAL	2	72,563	
CITY TOTAL	2	72,563	
TAMPA			
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF SOUTH FLORIDA			
GM22890-01	EIKMAN, EDWARD A	OBJECTIVE INTERPRETATION OF LIVER IMAGES	47,314
AM18719-01	TEDESCO, THOMAS A	CHARACTERIZATION OF GALACTOSE ENZYME MUTANTS IN MAN	69,815
INSTITUTION TOTAL	2	117,129	
CITY TOTAL	2	117,129	
STATE TOTAL	9	354,656	
GEORGIA			
ATHENS			
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA			
GM22450-01	CHAMPNEY, W SCOTT	GENETICS OF E. COII RIBOSOMAL PROTEIN BIOSYNTHESIS	36,636

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
GEORGIA			
ATHENS			
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA			
NS12471-01	HIMEL, CHESTER M	CHOLINERGIC NEURAL SYSTEMS	33,244
HD09864-01	WILLIAMS, WILLIAM L	SELECTED BIOCHEMICAL PROBLEMS IN REPRODUCTION	66,386
INSTITUTION TOTAL	3	136,266	
CITY TOTAL	3	136,266	
ATLANTA			
EMORY UNIVERSITY			
GM22472-01	FARAJ, BAHJAT A	ANTIBODIES TO DOPAMINE AND NOREPINEPHRINE	20,696
HL16420-01A1	FULLER, ELLEN O	EFFECT OF TRAINING-DETRAINING ON THE RAT HEART	55,066
RR00992-01	MARTIN, DAVID E	ARTIFICIAL BREEDING OF CHIMPANZEES	24,950
HL19115-01	RINARD, GILBERT A	HORMONAL CONTROL OF TRACHEOBRONCHIAL CYCLE AMP	40,370
INSTITUTION TOTAL	4	141,082	
UNIVERSITY SYSTEM OF GEORGIA--GEORGIA INSTITUTE OF TECHNOLOGY			
GM22765-01	BROYDE, SUSE B	MOLECULAR CONFORMATIONS OF DNA AND RNA SUBUNITS	28,619
INSTITUTION TOTAL	1	28,619	
CITY TOTAL	5	169,701	
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA			
HL18636-01	FEIDMAN, FLAINE B	FATTY ACIDS AND CHOLESTEROL TRANSPORT	18,194
EY01329-01A1	GREEN, KEITH	ROLE OF DRUGS ON THE COMPONENTS OF AQUEOUS FORMATION	63,257
EY01654-01	HULL, DAVID S	OPHTHALMIC MEDICATIONS AND THE CORNEAL ENDOTHELIUM	7,493
AM19013-01	KAROW, ARMAND M, JR	PANCREAS ISLET CELLS PRESERVED TO TRANSPLANTATION	28,450
DE04332-01	WHITFORD, GARY M	INFLUENCE OF ACID-BASE STATUS ON FLUORIDE METABOLISM	11,069
INSTITUTION TOTAL	5	128,463	
CITY TOTAL	5	128,463	
STATE TOTAL	13	434,430	
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA			
GM22575-01	HUMPHREYS, TOM D	ISOLATION AND CHARACTERIZATION OF INDIVIDUAL GENES	76,111
HL18253-01A1	SCHEUER, PAUL J	THE STRUCTURE OF THE PALYTOXINS	30,146
INSTITUTION TOTAL	2	106,257	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	2	106,257	
STATE TOTAL	2	106,257	
ILLINOIS			
CHARLESTON			
EASTERN ILLINOIS UNIVERSITY			
GM22915-01	FERGUSON, KAREN A	EFFECT OF STEROL ON MEMBRANE-BOUND ENZYMES	33,700
INSTITUTION TOTAL	1	33,700	
CITY TOTAL	1	33,700	
CHICAGO			
MICHAEL REESE HOSPITAL AND MEDICAL CENTER			
AM18722-01	FROHMAN, LAWRENCE A	NEUROENDOCRINE CONTROL OF GROWTH HORMONE AND PROLACTIN	84,596
INSTITUTION TOTAL	1	84,596	
NATIONAL OPINION RESEARCH CENTER			
RR05783-01	PREWITT, KENNETH	BIOMEDICAL RESEARCH SUPPORT GRANT	17,690
INSTITUTION TOTAL	1	17,690	
NORTHWESTERN UNIVERSITY			
GM22371-01	ATKINSON, ARTHUR J, JR	CLINICAL PHARMACOLOGY OF COMMONLY USED DRUGS	62,876
HD10006-01	BRAUN, THEODOR	SPERM ADENYL CYCLASE: DEVELOPMENT AND MOLECULAR NATURE	35,000
GM22349-01	CORCORAN, JOHN W	SOLUBLE CYTOCHROME P-450 HYDROXYLASE FROM S. ERYTHREUS	40,054
HL18625-01	EISENSTEIN, REUBEN	ORGANIZATION OF ARTERIAL GROUND SUBSTANCE	59,915
HL19000-01	GANOTE, CHARLES E	IRREVERSIBLE MYOCARDIAL INJURY	54,000
HL16419-01A2	GHOSH, SANTIBRATA	ARTERIAL UPTAKE OF LIPOPROTEIN: KINETIC ANALYSIS	29,950
HL18004-01A1	GHOSH, SANTIBRATA	TRANSPORT THROUGH ARTERIAL WALL: BIOPHYSICAL ASPECTS	21,791
HL18598-01	OKITA, GEORGE T	ROLE OF NA,K-ATPASE INHIBITION ON DIGITALIS ACTION	26,163
NS12782-01	SILINSKY, EUGENE M	ADENINE NUCLEOTIDE RELEASE FROM MOTOR NERVE ENDINGS	27,180
INSTITUTION TOTAL	9	356,929	
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER			
NS12423-01	SCHAUF, CHARLES L	STUDIES OF NEUROTOXIC AGENTS IN MULTIPLE SCLEROSIS	16,900
INSTITUTION TOTAL	1	16,900	
UNIVERSITY OF CHICAGO			
GM22729-01	COZZARELLI, NICHOLAS R	RNA LIGASE FUNCTION AND USE IN DNA SYNTHESIS	39,740

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
EY01658-01	GROBSTEIN, PAUL	DEVELOPMENT OF CONNECTIVITY IN VISUAL SYSTEMS	29,428
GM22722-01	KOHLER, KARL H	STRUCTURE OF THE MAJOR RED CELL MEMBRANE POLYPEPTIDE	54,082
GM22648-01	MEIER, PAUL	STATISTICAL INFERENCE IN CLINICAL RESEARCH	34,505
GM22728-01	RICE, STUART A	WATER: EXPERIMENTAL AND THEORETICAL STUDIES	46,638
GM22523-01	SLATKIN, MONTGOMERY W	THE GENETICAL CONSEQUENCES OF DISPERSAL AND EXTINCTION	39,566
INSTITUTION TOTAL	6	243,959	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE			
GM21909-01A1	HULETT, F MARION	MEMBRANE PROTEIN-MEMBRANE REASSOCIATION STUDIES	31,901
RR07158-01	ROCEK, JAN	BIOMEDICAL RESEARCH SUPPORT GRANT	40,811
INSTITUTION TOTAL	2	72,712	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
AM18985-01	JAFFE, RANDAL C	THYROID HORMONE REGULATION OF TADPOLE METAMORPHOSIS	23,289
INSTITUTION TOTAL	1	23,289	
CITY TOTAL	21	816,075	
EVANSTON			
NORTHWESTERN UNIVERSITY			
HD10050-01	CAMPBELL, CONSTANCE S	REPRODUCTIVE RHYTHMICITY: IMPACT OF THE ENVIRONMENT	32,906
GM22471-01	JACOBS, JOHN E	HIGH SPEED FAR INFRARED SYSTEM FOR THERMAL IMAGING	26,939
INSTITUTION TOTAL	2	59,845	
CITY TOTAL	2	59,845	
MAYWOOD			
LOYOLA UNIVERSITY MEDICAL CENTER			
HD09416-01	DAVIS, JOSEPH R	PHARMACOLOGICAL STUDIES ON THE TESTICULAR CAPSULE	26,367
INSTITUTION TOTAL	1	26,367	
CITY TOTAL	1	26,367	
URBANA			
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN			
GM22887-01	HAIGHT, GILBERT P	BIOENERGY CYCLES: REDOX-INDUCED P-O-P BOND REACTIONS	37,168
GM22431-01	HERSHBERGER, CHARLES L	RESTRICTION AND NUCLEASE MAPPING OF ORGANELLE DNA	35,000

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
URBANA			
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN			
AM18866-01	KEMPER, BYRON W	BIOSYNTHESIS OF PARATHYROID HORMONE	32,799
INSTITUTION TOTAL	3	104,967	
CITY TOTAL	3	104,967	
STATE TOTAL	28	1,040,954	
INDIANA			
BLOOMINGTON			
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT BLOOMINGTON			
GM22620-01	ALLERHAND, ADAM	CARBON-13 NMR STUDIES OF SPECIFIC SITES IN PROTEINS	39,153
INSTITUTION TOTAL	1	39,153	
CITY TOTAL	1	39,153	
INDIANAPOLIS			
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS			
DE04367-01	PHILLIPS, RALPH W	CREEP AND EVALUATION FOR MARGINAL FAILURE OF AMALGAM	41,771
INSTITUTION TOTAL	1	41,771	
INDIANAPOLIS CENTER FOR ADVANCED RESEARCH			
RR05781-01	EGGLETON, REGINALD C	BIOMEDICAL RESEARCH SUPPORT GRANT	20,669
INSTITUTION TOTAL	1	20,669	
CITY TOTAL	2	62,440	
WEST LAFAYETTE			
PURDUE UNIVERSITY			
GM22861-01	BARILE, RONALD G	AUTOMATED DRUG DELIVERY	23,732
AM18849-01	DIXON, JACK E	THYROTROPIN RELEASING HORMONE: SYNTHESIS, DEGRADATION	31,877
GM22764-01	MC MILLIN, DAVID R	CHEMICAL AND PHYSICAL STUDIES OF COPPER PROTEINS	32,537
GM22933-01	VAN ETTEN, ROBERT L	THE ANOMALOUS KINETICS OF ARYL SULFATASE A	37,734
INSTITUTION TOTAL	4	125,880	
CITY TOTAL	4	125,880	
STATE TOTAL	7	227,473	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
HL19071-01	AL-AWQATI, QAIS	CONTROL OF SODIUM TRANSPORT AND CELLULAR RESPIRATION	39,563
GM22035-01A1	DRYER, ROBERT L	METABOLIC REGULATION IN BROWN ADIPOSE MITOCHONDRIA	39,260
HD09677-01	ERENBERG, ALLEN P	THYROID HORMONES AND THE FETAL AND NEONATAL LUNG	59,816
DE04339-01	KARISSON, ULF L	STRUCTURE-FUNCTION CORRELATES OF INTRADENTAL NERVES	62,648
INSTITUTION TOTAL	4	201,287	
CITY TOTAL	4	201,287	
STATE TOTAL	4	201,287	
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS			
GM22814-01	ROBINSON, RALPH G	CLINICAL EVALUATION OF 99MTC AS A LEUKOCYTE LABEL	40,004
HL18943-01	TARR, CHARLES M	CONTRACTILE ACTIVITY OF SINGLE CARDIAC CELLS	34,930
INSTITUTION TOTAL	2	74,934	
CITY TOTAL	2	74,934	
LAWRENCE			
UNIVERSITY OF KANSAS			
GM22842-01	FOX, J EUGENE	STUDIES ON A CYTOKININ-BINDING PROTEIN	39,802
GM22988-01	GRUNEWALD, GARY L	CONFORMATIONALLY DEFINED ADRENERGIC AMINES	33,884
GM22357-01	MERTES, MATHIAS P	CENTER FOR DRUG DESIGN	242,741
INSTITUTION TOTAL	3	316,427	
CITY TOTAL	3	316,427	
STATE TOTAL	5	391,361	
KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY			
GM22749-01	DICKSON, ROBERT C	EUCARYOTIC ENZYME INDUCTION: B-GALACTOSIDASE IN YEAST	34,430
INSTITUTION TOTAL	1	34,430	
CITY TOTAL	1	34,430	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
KENTUCKY			
LOUISVILLE			
UNIVERSITY OF LOUISVILLE			
RR07153-01	JOHNSON, ALAN A	BIOMEDICAL RESEARCH SUPPORT GRANT	28,748
HD09577-01	RAO, VENKATESWARA	PROSTAGLANDIN; GONADOTROPIN RECEPTORS IN CORPORA LUTEA	64,000
INSTITUTION TOTAL	2	92,748	
CITY TOTAL	2	92,748	
STATE TOTAL	3	127,178	
LOUISIANA			
COVINGTON			
TULANE UNIVERSITY			
HD09942-01	BRIZZEE, KENNETH R	PRENATAL LOW-DOSE IRRADIATION EFFECTS ON PRIMATE BRAIN	60,091
INSTITUTION TOTAL	1	60,091	
CITY TOTAL	1	60,091	
NEW ORLEANS			
LOUISIANA STATE UNIVERSITY SYSTEM--UNIVERSITY OF NEW ORLEANS			
CA19177-01	GITHENS, SHERWOOD, III	CARCINOGENESIS OF PANCREATIC DUCTAL TISSUE IN VITRO	55,751
INSTITUTION TOTAL	1	55,751	
CITY TOTAL	1	55,751	
STATE TOTAL	2	115,842	
MAINE			
BAR HARBOR			
JACKSON LABORATORY			
GM22878-01	BAILEY, DONALD W	GENETIC STABILITY OF MOUSE ZYGOTES IN FROZEN STORAGE	58,089
GM22900-01	CHEN, HARRY W	CHOLESTEROL--MEMBRANE FUNCTION/CELL GROWTH/MALIGNANCY	44,346
INSTITUTION TOTAL	2	102,435	
CITY TOTAL	2	102,435	
ORONO			
UNIVERSITY OF MAINE SYSTEM--UNIVERSITY OF MAINE AT ORONO			
GM22827-01	BLAKE, RICHARD D	ASPECTS OF EUCARYOTIC CHROMOSOME STRUCTURE	17,720
RR07161-01	ROBERTS, FRANKLIN L	BIOMEDICAL RESEARCH SUPPORT GRANT	20,750
INSTITUTION TOTAL	2	38,470	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	2	38,470	
STATE TOTAL	4	140,905	
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
GM22610-01	BENBOW, ROBERT M	CONTROL OF DNA SYNTHESIS IN EARLY EMBRYOS OF XENOPUS	47,625
HL19073-01	COMSTOCK, GEORGE W	HEART DISEASE AND DRINKING WATER AT HOME	27,657
HL19095-01	MARGOLIS, SIMEON	LASER SPECTROSCOPY OF LIPOPROTEINS	39,271
HL18912-01	SAGAWA, KIICHI	MECHANICS OF HEART MUSCLE CONTRACTION	41,304
GM21890-01A1	SCOCCA, JOHN J	MOLECULAR MECHANISMS IN NUCLEIC ACID TRANSPORT	29,834
HL19039-01	SHOUKAS, ARTIN A	CIRCULATION STUDIES BY ONE VERSUS TWO CIRCUIT MODEL	31,888
AI13004-01	TSAN, MIN-FU	STUDY OF NEUTROPHIL METABOLISM AND FUNCTION	30,897
INSTITUTION TOTAL	7	248,476	
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE			
NS12847-01	GUTH, LLOYD	REGENERATION IN THE MAMMALIAN SPINAL CORD	40,054
HD09598-01	JANOSKI, ALFONSO H	PHYSIOLOGIC ROLE OF 16-HYDROXYLATED STEROIDS	51,750
CA19197-01	JONES, RAYMOND T	IN VITRO PANCREATIC CARCINOGENESIS	29,510
INSTITUTION TOTAL	3	121,314	
CITY TOTAL	10	369,790	
CATONSVILLE			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE COUNTY CAMPUS			
RR07159-01	LOVETT, PAUL S	BIOMEDICAL RESEARCH SUPPORT GRANT	38,709
INSTITUTION TOTAL	1	38,709	
CITY TOTAL	1	38,709	
COLLEGE PARK			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS			
GM22586-01	HAYS, JOHN B	RECOMBINATION OF DNA IN A CELL-FREE SYSTEM	28,165
INSTITUTION TOTAL	1	28,165	
CITY TOTAL	1	28,165	
STATE TOTAL	12	436,664	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
AMHERST			
AMHERST COLLEGE			
DE04383-01	LEADBETTER, EDWARD R	GRAM-NEGATIVE BACTERIA OF DENTAL PLAQUES: PROPERTIES	51,815
INSTITUTION TOTAL	1	51,815	
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS AT AMHERST			
GM22838-01	SEARCY, DENNIS G	FUNCTION OF THERMOPLASMA ACIDOPHILUM HISTONE	24,195
GM22807-01	ZIMMERMAN, ROBERT A	PHOTOCHEMICAL PROBES OF RIBOSOME ARCHITECTURE	55,800
INSTITUTION TOTAL	2	79,995	
CITY TOTAL	3	131,810	
BOSTON			
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL			
HL19089-01	GROSSMAN, WILLIAM	DIASTOLIC PROPERTIES OF THE LEFT VENTRICLE	36,080
INSTITUTION TOTAL	1	36,080	
BETH ISRAEL HOSPITAL			
AI13348-01	BUTTERCASE, CAROL J	ORAL CONTRACEPTION AND ENDOCERVICAL GONORRHEA INCIDENCE	6,951
HL19003-01	PAULIN, SVEN J	HIGH PRECISION DENSITOMETRY OF CORONARY ANGIOGRAMS	77,722
INSTITUTION TOTAL	2	84,673	
BOSTON HEALTH AND HOSPITALS DEPARTMENT--BOSTON CITY HOSPITAL			
HD09358-01	VAITUKAITIS, JUDITH L	MECHANISMS MEDIATING GONADOTROPIN ACTION	62,095
INSTITUTION TOTAL	1	62,095	
BOSTON UNIVERSITY			
AM18550-01	WEINTRAUB, LEWIS R	IRON METABOLISM	50,685
INSTITUTION TOTAL	1	50,685	
CHILDREN'S HOSPITAL MEDICAL CENTER			
NS12659-01	SCHACHNER, MELITTA	STUDIES ON NEURAL CELL SURFACE COMPONENTS	48,969
NS12200-01A1	SILMAN, RICHARD L	GROWTH AND REGENERATION IN THE NERVOUS SYSTEM	225,454
INSTITUTION TOTAL	2	274,423	
FORSYTH DENTAL CENTER			
DE04427-01	EASTCOTT, ANDREW D	IMMUNOPATHOGENICITY OF HUMAN PERIODONTOSIS BACTERIA	10,000
INSTITUTION TOTAL	1	10,000	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
GM22834-01	BISWAS, DEBAJIT K	CONTROL OF GENE EXPRESSION IN PITUITARY TUMOR CELLS	55,739
GM22175-01A1	DAWIDOWICZ, ELIEZAR A	PHYSICAL STUDY OF LIPID MOTION IN RED CELL MEMBRANES	21,204
HL19002-01	DRESSLER, DONALD P	TREATMENT OF SMOKE INHALATION INJURY	50,640
HD10026-01	KITZMILLER, JOHN L	PROBLEMS OF HUMAN REPRODUCTION--IMMUNOLOGIC MECHANISMS	47,786
GM22906-01	LIN, EDMUND C	GENETICS OF ENERGY GENERATION FROM GLYCEROPHOSPHATE	23,081
NS12922-01	MC MAHAN, UEI J, II	STRUCTURE AND FUNCTION OF REGENERATING AXON TERMINALS	36,397
AM19041-01	THENEN, SHIRLEY W	HIGH ASCORBIC ACID INTAKE AND VITAMIN B12 NUTRITURE	14,685
INSTITUTION TOTAL	7	249,532	
MASSACHUSETTS GENERAL HOSPITAL			
GM22835-01	FAHMY, NABIL R	HEMODYNAMICS OF BONE CEMENT DURING ORTHOPEDIC SURGERY	32,625
HD09689-01	HOLMES, LEWIS B	THE EXTRACELLULAR MATRIX IN HEREDITARY LIMB MALFORMATION	34,150
HL18646-01	RUSSELL, PAUL S	STUDIES BASIC TO HEART TRANSPLANTATION	316,750
INSTITUTION TOTAL	3	383,525	
NEW ENGLAND MEDICAL CENTER HOSPITALS			
GM22965-01	NEURATH, PETER W	AUTOMATIC METAPHASE CELL LOCATION SYSTEM DEVELOPMENT	110,000
INSTITUTION TOTAL	1	110,000	
NORTHEASTERN UNIVERSITY			
GM22787-01	VOUROS, PAUL	MASS SPECTROMETRY OF BIOLOGICALLY SIGNIFICANT COMPOUNDS	27,399
INSTITUTION TOTAL	1	27,399	
TUFTS UNIVERSITY			
HL19012-01	BLOOMQUIST, EUNICE I	SMOOTH MUSCLE OF RESISTANCE VESSELS IN HYPERTENSION	40,652
GM21755-01A1	LIN, CHI-WEI	BETA-GLUCURONIDASE TRANSPORT & MOLECULAR MODIFICATION	435,860
INSTITUTION TOTAL	2	476,512	
CITY TOTAL	22	1,764,924	
CAMBRIDGE			
HARVARD UNIVERSITY			
AI13083-01	GILL, D MICHAEL	MECHANISM OF ACTION OF CHOLERA TOXIN	75,212
GM22961-01	KNOWLES, JEREMY R	PHOTOGENERATED REAGENTS FOR BIOLOGICAL RECEPTORS	62,747
GM22839-01	MANIATIS, THOMAS P	CHROMOSOME STRUCTURE AND GENE CONTROL IN SV40	58,464
INSTITUTION TOTAL	3	196,423	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
CAMBRIDGE			
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
NS12846-01	BRAIDA, LOUIS D	HEARING-AID RESEARCH	128,936
AI13357-01	GEFTER, MALCOLM L	REGULATORY MECHANISMS IN NORMAL AND NEOPLASTIC CELLS	70,104
GM22527-01	TYLER, BONNIE M	REGULATION OF TRANSCRIPTION BY GLUTAMINE SYNTHETASE	37,177
INSTITUTION TOTAL	3	236,217	
CITY TOTAL	6	432,640	
CHESTNUT HILL			
BOSTON COLLEGE			
RR07156-01	PLOCKE, DONALD J	BIOMEDICAL RESEARCH SUPPORT GRANT	34,735
INSTITUTION TOTAL	1	34,735	
CITY TOTAL	1	34,735	
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY			
HD09584-01	BARTKE, ANDRZEJ	ANDROGENS IN RETE TESTIS FLUID AND SPERMATOGENESIS	51,700
GM22688-01	KUPFER, DAVID	PROSTAGLANDINS: INTERACTIONS WITH MONOOXYGENASES	64,557
INSTITUTION TOTAL	2	116,257	
CITY TOTAL	2	116,257	
WALTHAM			
BRANDEIS UNIVERSITY			
GM22576-01	HONG, JEN-SHIANG	BIOCHEMISTRY AND GENETICS OF MEMBRANE FUNCTIONS	38,652
INSTITUTION TOTAL	1	38,652	
CITY TOTAL	1	38,652	
WOODS HOLE			
SOCIETY OF GENERAL PHYSIOLOGISTS			
GM22934-01	LASH, JAMES W	CELL AND TISSUE INTERACTIONS--A SYMPOSIUM	3,500
INSTITUTION TOTAL	1	3,500	
CITY TOTAL	1	3,500	
WORCESTER			
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL			
HL18280-01A1	DOBSON, JAMES G, JR	REGULATION OF CARDIAC CONTRACTILITY AND METABOLISM	28,020

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
WORCESTER			
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL			
NS12801-01	MULROY, MICHAEL J	INNERVATION OF THE INNER EAR	26,113
INSTITUTION TOTAL	2	54,133	
CITY TOTAL	2	54,133	
STATE TOTAL	38	2,576,651	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
GM22447-01	HAND, JAMES H	CERAMIC-ELASTOMER BIOMATERIALS	22,934
NS12881-01	HAWKINS, JOSEPH E, JR	DISORDERS OF COCHLEAR HOMEOSTASIS AND FUNCTION	32,626
HL18737-01	KRIMM, SAMUEL	STUDIES OF HUMAN ERYTHROCYTE MEMBRANE STRUCTURE	53,060
EY01653-01	MC REYNOLDS, JOHN S	FUNCTIONAL ORGANIZATION OF THE VERTEBRATE RETINA	34,453
GM22604-01	MORRIS, MICHAEL D	ANALYTICAL APPLICATIONS OF THE RESONANCE RAMAN EFFECT	25,325
NS12825-01	MOUW, DAVID R	MECHANISMS OF CNS-INDUCED CHANGES IN UNAV	45,980
HL18831-01	RHODIN, JOHANNES A	MICROSCOPY OF SPONTANEOUSLY HYPERTENSIVE ARTERIAL LESION	73,131
HD09110-01A1	RICHARDS, JOANNE S	OVARIAN FOLLICULAR DEVELOPMENT AND HORMONE ACTION	43,729
INSTITUTION TOTAL	8	331,238	
CITY TOTAL	8	331,238	
DETROIT			
WAYNE STATE UNIVERSITY			
GM23327-01	ARKING, ROBERT	GENETIC ANALYSIS OF PATTERN FORMATION IN DROSOPHILA	22,803
GM22594-01	RABAN, MORTON	IONIC BONDING CONFORMATIONAL BEHAVIOR OF ENOLATE ANIONS	16,595
INSTITUTION TOTAL	2	39,398	
CITY TOTAL	2	39,398	
EAST LANSING			
MICHIGAN STATE UNIVERSITY			
GM22535-01	RICKERT, DOUGLAS E	XENOBIOTIC CONJUGATION BY THE INTESTINE	17,570
AM18957-01	ROMSOS, DALE R	EFFECT OF DIET ON CARBOHYDRATE AND LIPID METABOLISM	34,335
INSTITUTION TOTAL	2	51,905	
CITY TOTAL	2	51,905	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MICHIGAN			
ROCHESTER			
OAKLAND UNIVERSITY			
GM22233-01	CALLEWAERT, DENIS M	EVOLUTION OF CERTAIN DEHYDROGENASES IN A PSEUDOMONAS	18,297
INSTITUTION TOTAL	1	18,297	
CITY TOTAL	1	18,297	
STATE TOTAL	13	440,838	
MINNESOTA			
AUSTIN			
UNIVERSITY OF MINNESOTA			
GM22880-01	SCHLENK, HERMANN	CHEMISTRY AND BIOCHEMISTRY OF A NEW TYPE OF FATTY ACIDS	35,809
INSTITUTION TOTAL	1	35,809	
CITY TOTAL	1	35,809	
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
GM22434-01	ANDERSON, PAUL M	CYANATE: REACTION WITH CYANASE AND AMIDOTRANSFERASES	23,890
GM22605-01	BUCHWALD, HENRY	DEVICE FOR CONTINUOUS INFUSION DRUG SCREENING	65,000
AI12978-01	JOHNSON, RUSSELL C	IN VITRO CULTIVATION OF TREPONEMA PALLIDUM	22,370
HL18893-01	KNYCH, EDWARD T, JR	MECHANISM OF ANGIOTENSIN ACTION: ROLE OF RECEPTOR	29,701
GM22492-01	MALKINSON, ALVIN M	GENETICS OF MURINE CYCLIC AMP EFFECTOR MOLECULES	27,374
AM19113-01	MATAS, ARTHUR J	TRANSPLANTATION OF LIVER CELLS	33,000
GM22374-01	ROON, ROBERT J	L-ASPARAGINASE: SYNTHESIS OF AN EXTERNAL YEAST ENZYME	30,309
INSTITUTION TOTAL	7	231,644	
CITY TOTAL	7	231,644	
ROCHESTER			
MAYO FOUNDATION			
AM18977-01	ARNAUD, SARA B	25-HYDROXYVITAMIN D METABOLISM IN GI DISEASE	46,170
GM23347-01	MULDOON, SHEILA M	GENERAL ANESTHETICS AND VASCULAR NEUROEFFECTOR SYSTEM	47,170
AM18029-01A1	STAUFFER, RICHARD N	BIOMECHANICAL EVALUATION OF TOTAL KNEE ARTHROPLASTY	82,575
HD09720-01	TOMASI, THOMAS B, JR	STUDIES OF MATERNAL AND NEONATAL IMMUNITY	63,067
INSTITUTION TOTAL	4	238,982	
CITY TOTAL	4	238,982	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MINNESOTA			
SAINT PAUL			
UNIVERSITY OF MINNESOTA			
AM19012-01	HENDERSON, LAVELL M	NIACIN AND VITAMIN B6 METABOLISM IN RAT INTESTINE	46,038
GM22387-01	HERMAN, ROBERT K	DEVELOPMENTAL GENETICS OF CAENORHABDITIS ELEGANS	35,401
GM22701-01	MUNCK, ECKARD	STUDIES OF 02 ACTIVATION BY MOSSBAUER SPECTROSCOPY	41,935
NS12686-01	PHILLIPS, RICHARD E	BRAIN ORGANIZATION OF SPECIES-TYPICAL BEHAVIOR	26,520
INSTITUTION TOTAL	4	149,894	
CITY TOTAL	4	149,894	
STATE TOTAL	16	656,329	
MISSISSIPPI			
JACKSON			
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER			
HL18561-01	WILKINSON, J SIDNEY	RADIOIMMUNOASSAY OF ANGIOTENSINOGEN	36,510
INSTITUTION TOTAL	1	36,510	
CITY TOTAL	1	36,510	
STATE TOTAL	1	36,510	
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA			
EY01604-01	BARR, RONALD E	OXYGEN CONSUMPTION AND DIFFUSION IN RABBIT CORNEA	44,704
AM18150-01A1	MARTINEZ, J RICARDO	METABOLIC & SECRETORY INTERACTIONS IN EXOCRINE GLANDS	41,599
GM22506-01	SCHUDER, JOHN C	IN VIVO INDUCTIVE PROBE MEASUREMENTS OF OMEGA & SIGMA	24,094
INSTITUTION TOTAL	3	110,397	
CITY TOTAL	3	110,397	
KANSAS CITY			
MIDWEST RESEARCH INSTITUTE			
HL18698-01	COOK, MARY R	STUDIES ON COGNITIVE CONTROL OF VASCULAR MECHANISMS	28,058
INSTITUTION TOTAL	1	28,058	
CITY TOTAL	1	28,058	
SAINT LOUIS			
ST. LOUIS UNIVERSITY			
HD09763-01	HERTELENDY, FRANK	ROLE OF PROSTAGLANDINS IN AVIAN REPRODUCTION	36,974

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NIH
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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MISSOURI			
SAINT LOUIS			
ST. LOUIS UNIVERSITY			
NS12827-01	HIRSCHBERG, CARLOS B	METABOLISM AND FUNCTION OF SPHINGOLIPIDS	33,350
GM21961-01A1	HUNSLEY, JAMES R	REGULATION OF PROTEIN SYNTHESIS IN DEVELOPMENT	44,825
INSTITUTION TOTAL	3	115,149	
CITY TOTAL	3	115,149	
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
GM22595-01	BANASZAK, LEONARD J	X-RAY DIFFRACTION STUDIES OF E. COLI MEMBRANES	17,000
AI12715-01	DAVID, CHEILA S	GENETICS AND SEROLOGY OF H-2(IR)-LINKED IA ANTIGENS	57,920
AM18670-01	DIETZLER, DAVID N	STUDIES OF COORDINATE ALLOSTERIC REGULATION IN VIVO	46,573
AM19110-01	ETHEREDGE, EDWARD E	PRESENSITIZATION AND HUMAN TRANSPLANTATION	38,228
NS12867-01	GOTTLIEB, DAVID I	STUDIES ON NEURONAL RECOGNITION	46,843
AM18986-01	HOLLOSZY, JOHN O	CARBOHYDRATE AND FAT METABOLISM DURING EXERCISE	37,730
GM22587-01	HUNTER, F EDMUND, JR	CHARACTERIZATION AND FUNCTION OF A NEW GSH-PEROXIDASE	32,560
INSTITUTION TOTAL	7	276,854	
CITY TOTAL	7	276,854	
STATE TOTAL	14	530,458	
NEBRASKA			
OMAHA			
CREIGHTON UNIVERSITY			
DE04572-01	DOWD, FRANK J	PROTEIN KINASE INTERACTION WITH SALIVARY GLAND	10,000
INSTITUTION TOTAL	1	10,000	
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER			
GM22424-01	DONNELLY, THOMAS E, JR	REGULATION OF CYCLIC NUCLEOTIDE PHOSPHODIESTERASES	14,795
HD09881-01	GARDNER, PAUL J	IMMUNOCYTOCHEMICAL LOCALIZATION OF FSH IN THE TESTIS	14,997
INSTITUTION TOTAL	2	29,792	
CITY TOTAL	3	39,792	
STATE TOTAL	3	39,792	
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE			
HD09585-01	CARPENTER, STANLEY J	ULTRASTRUCTURAL STUDIES ON RODENT PLACENTAL MEMBRANES	42,768

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE			
HL19054-01	DETAR, REED	OXYGEN AND VASCULAR SMOOTH MUSCLE	28,010
CA19410-01	LONGNECKER, DANIEL S	SURVEY OF HUMAN PANCREASES FOR ACINAR CELL DYSPLASIA	12,899
GM22650-01	SQUIRES, CATHERINE L	FUSION OF THE RIBOSOMAL RNA PROMOTER TO OTHER OPERONS	71,000
INSTITUTION TOTAL	4	154,677	
CITY TOTAL	4	154,677	
STATE TOTAL	4	154,677	
NEW JERSEY			
NEW BRUNSWICK			
RUTGERS UNIVERSITY			
HD09608-01	KENT, HARRY A, JR	ACTION OF CONTRACEPTIVE TETRAPEPTIDE AND STEROID	60,697
AM18713-01	SAN FILIPPO, JOSEPH, JR	A STUDY OF SUPEROXIDE REACTIVITY	34,785
INSTITUTION TOTAL	2	95,482	
CITY TOTAL	2	95,482	
NEWARK			
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY			
NS12876-01	JACOBY, JACOB H	DRUGS AND BRAIN SEROTONIN METABOLISM	40,258
HL18938-01	KUMAR, SURIENDER	PULMONARY FATTY ACID AND PHOSPHOLIPID METABOLISM	19,569
DE04335-01	OPDERBECK, WILLIAM R	COMPARISON OF TREATMENT PROCEDURES USED IN ENDODONTICS	10,000
INSTITUTION TOTAL	3	69,827	
CITY TOTAL	3	69,827	
PRINCETON			
EDUCATIONAL TESTING SERVICE			
RR05729-01	MESSICK, SAMUEL	BIOMEDICAL RESEARCH SUPPORT GRANT	17,418
INSTITUTION TOTAL	1	17,418	
PRINCETON UNIVERSITY			
GM22444-01	WEINTRAUB, HAROLD M	THE COMPLEXITY OF CHROMOSOME STRUCTURE AND ASSEMBLY	46,340
INSTITUTION TOTAL	1	46,340	
CITY TOTAL	2	63,758	
STATE TOTAL	7	229,067	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
GM22435-01	TAPSCOTT, ROBERT E	CHELATE ISOMERISM WITH MESO AND PROCHIRAL LIGANDS	22,065
INSTITUTION TOTAL	1	22,065	
CITY TOTAL	1	22,065	
UNIVERSITY PARK			
NEW MEXICO STATE UNIVERSITY			
RR07154-01	DARNALL, DENNIS W	BIOMEDICAL RESEARCH SUPPORT GRANT	33,207
INSTITUTION TOTAL	1	33,207	
CITY TOTAL	1	33,207	
STATE TOTAL	2	55,272	
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF HEALTH			
AM18650-01	ZUCALI, JAMES R	REGULATION OF ERYTHROPOIETIN BIOGENESIS	33,398
INSTITUTION TOTAL	1	33,398	
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE			
NS12578-01	MARKS, NEVILLE	BRAIN ENZYMES AND INACTIVATION OF PEPTIDYL HORMONES	24,230
INSTITUTION TOTAL	1	24,230	
UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE			
AM18765-01	SARFEH, I JAMES	A COMPARATIVE STUDY OF THE MAJOR HUMAN BILE SALTS	29,900
HL18624-01	WONG, PATRICK Y	STUDY OF KININS IN HYPERTENSION AND OTHER DISEASES	35,850
INSTITUTION TOTAL	2	65,750	
CITY TOTAL	4	123,378	
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
GM22735-01	AMBRUS, CLARA M	IMMOBILIZED ENZYMES FOR MANAGEMENT OF PHENYLKETONURIA	54,711
CA18410-01	CHU, TSANN M	ONCOFETAL ANTIGEN(S) AND PANCREATIC CANCER	60,544
INSTITUTION TOTAL	2	115,255	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
BUFFALO			
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
HL18968-01	HERMAN, GABOR T	COMPUTER TECHNOLOGY FOR TRANSAXIAL TOMOGRAPHY	100,339
AM18918-01	HONG, SUK K	SECRETION OF WEAK ORGANIC ACIDS BY THE KIDNEY TUBULE	29,104
AM19048-01	NANCOLLAS, GEORGE H	THE KINETICS OF FORMATION OF RENAL STONES	38,224
HD09443-01	WANG, TUNG Y	MECHANISM OF ANDROGEN ACTION	47,700
INSTITUTION TOTAL	4	215,367	
CITY TOTAL	6	330,622	
ITHACA			
CORNELL UNIVERSITY			
HL19019-01	DROST, CORNELIS J	ACCURATE TRANSCUTANEOUS DOPPLER BLOODFLOW MONITORING	55,222
HD09870-01	HANSEL, WILLIAM	MAINTENANCE OF THE CORPUS LUTEUM OF PREGNANCY	49,550
INSTITUTION TOTAL	2	104,772	
CITY TOTAL	2	104,772	
NEW YORK			
AMERICAN CANCER SOCIETY			
CA18795-01	ARJE, SIDNEY I	CANCER RESEARCH/CLINICAL INVESTIGATION NATIONAL CONFERENCE	50,000
INSTITUTION TOTAL	1	50,000	
AMERICAN HEALTH FOUNDATION			
RR05775-01	WYNDER, ERNST L	BIOMEDICAL RESEARCH SUPPORT GRANT	97,602
INSTITUTION TOTAL	1	97,602	
AMERICAN SOCIETY FOR CELL BIOLOGY			
CA20083-01	PORTER, KEITH R	AN INTERNATIONAL CONGRESS ON CELL BIOLOGY	44,800
INSTITUTION TOTAL	1	44,800	
CITY UNIVERSITY OF NEW YORK--HUNTER COLLEGE			
GM22619-01	KRAKOW, JOSEPH S	STUDIES ON THE CYCLIC AMP RECEPTOR PROTEIN OF E. COLI	29,930
INSTITUTION TOTAL	1	29,930	
COLUMBIA UNIVERSITY			
GM22515-01	ALTSHULER, KENNETH Z	TRAUMA AND SLEEP PHYSIOLOGY	70,934
NS12714-01	BERNE, BRUCE J	MOLECULAR DYNAMICS AND LIGHT SCATTERING OF FLUIDS	35,634

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
COLUMBIA UNIVERSITY			
EY01632-01	HOLLYFIELD, JOE G	PHAGOCYTIC ACTIVITY OF THE PIGMENT EPITHELIUM	31,225
GM22893-01	MILCAREK, CHRISTINE A	REGULATION AND ADENYLATION OF CYTOPLASMIC MRNA	45,909
GM22966-01	MILLER, ORLANDO J	IMMUNOCYTOGENETICS OF SOMATIC CELL HYBRIDS	40,000
INSTITUTION TOTAL	5	223,702	
CORNELL UNIVERSITY MEDICAL CENTER			
HL19030-01	GAY, WILLIAM A, JR	TISSUE PROTECTION DURING CIRCULATORY INTERRUPTION	76,808
HL18876-01	NORUM, ROBERT A	HUMAN ALPHA-1-ANTITRYPSIN SYNTHESIS IN VITRO	33,831
AM19074-01	TATE, SURESH S	BIOSYNTHESIS OF HYPOTHALAMIC HORMONES: TERMINAL GROUPS	36,800
AM19022-01	TAYLOR, ANN G	MICROTUBULES AND MICROFILAMENTS IN VASOPRESSIN ACTION	39,866
INSTITUTION TOTAL	4	187,305	
HOSPITAL FOR JOINT DISEASES AND MEDICAL CENTER			
HD09715-01	MONDER, CARL	FETAL DEVELOPMENT AND TYROSINE METABOLISM	20,575
INSTITUTION TOTAL	1	20,575	
INTERNATIONAL SYMPOSIUM FOR DETECTION AND PREVENTION OF CANCER			
CA19160-01	NIEBURGS, HERBERT E	INTERNATIONAL CANCER DETECTION & PREVENTION SYMPOSIUM	77,000
INSTITUTION TOTAL	1	77,000	
NATIONAL BUREAU OF ECONOMIC RESEARCH			
HD09666-01	WILLIS, ROBERT J	ECONOMIC ANALYSIS OF U.S. LIFE CYCLE FERTILITY	63,965
INSTITUTION TOTAL	1	63,965	
NEW YORK ACADEMY OF SCIENCES			
HL18872-01	LEONARD, EDWARD F	BEHAVIOR OF BLOOD AND ITS COMPONENTS AT INTERFACES	16,363
INSTITUTION TOTAL	1	16,363	
NEW YORK MEDICAL COLLEGE			
HL18985-01	CAGIN, NORMAN A	PROSTAGLANDINS AS ANTIARRHYTHMIC AGENTS	31,812
HL18085-01A1	GUTSTEIN, WILLIAM H	NEURAL FACTORS IN ATHEROGENESIS	76,279
CA18358-01	ROTMAN, MARVIN	RADIATION THERAPY ONCOLOGY GROUP	46,820
INSTITUTION TOTAL	3	154,911	
NEW YORK UNIVERSITY			
DE04398-01	CONVERSE, JOHN M	INTERNATIONAL CONFERENCE ON CRANIOFACIAL ANOMALIES	7,398

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
NEW YORK UNIVERSITY			
GM22943-01	HUH, MARTIN M	REGULATION OF BIOGENIC AMINE METHYLTRANSFERASES	29,685
AI13224-01	NUSSENZWEIG, VICTOR	C3, C3 RECEPTORS AND THE H-2 REGION	72,885
AM18792-01	WHEATLEY, VICTOR R	SEBOCYTE DIFFERENTIATION IN NORMAL AND TUMOR TISSUE	41,274
INSTITUTION TOTAL	4	151,242	
POLYTECHNIC INSTITUTE OF NEW YORK			
HL18533-01	TOONEY, NANCY M	STUDIES OF MICROCRYSTALLINE & CRYSTALLINE FIBRINOGEN	26,705
INSTITUTION TOTAL	1	26,705	
ROCKEFELLER UNIVERSITY			
GM21943-01A1	GERSHEY, EDWARD L	NUCLEAR CONTROL MECHANISMS: THE ROLE OF POLYAMINES	45,867
AI12975-01	GORDON, SAIMON	THE NATURE AND ROLE OF MACROPHAGE SECRETION	46,160
GM22865-01	LIZARDI, PAUL M	BIOGENESIS OF SILK FIBROIN MESSENGER RNA	41,536
AI13013-01	STEINMAN, RALPH M	CHARACTERIZATION OF LYMPHOID DENDRITIC CELLS	35,910
INSTITUTION TOTAL	4	169,473	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
GM21863-01A1	MELERA, PETER W	GROWTH AND DIFFERENTIATION PHASE BIOCHEMISTRY OF TRNA	50,983
AM18759-01	SONENBERG, MARTIN	CELL SURFACE ALTERATIONS BY GROWTH HORMONES	57,113
CA19584-01	VARRICCHIO, FREDERICK	SITES OF HISTONE F1 PHOSPHORYLATION IN RAT PANCREAS	40,674
INSTITUTION TOTAL	3	148,770	
YESHIVA UNIVERSITY			
HL19011-01	ADAMANY, ANTHONY M	SMOOTH MUSCLE CELL MEMBRANE GLYCOPROTEIN BIOSYNTHESIS	33,336
NS12627-01	BENNETT, MICHAEL V	SYNAPTIC TRANSMISSION IN THE CNS	43,200
NS12405-01A1	CRAIN, STANLEY M	DEVELOPMENT OF SPECIFIC SYNAPTIC NETWORKS IN VITRO	42,073
HL19010-01	FROSOLONO, MICHAEL F	METABOLISM AND CELL BIOLOGY OF LUNG SURFACTANT SYSTEM	29,982
GM22792-01	RUBIN, CHARLES S	CYCLIC AMP AND PROTEIN KINASES IN CELL REGULATION	53,389
INSTITUTION TOTAL	5	201,980	
CITY TOTAL	37	1,664,323	
PURCHASE			
STATE UNIVERSITY OF NEW YORK--COLLEGE AT PURCHASE			
NS12514-01	WOLF, GEORGE	NEURAL MECHANISMS OF A MODEL DRIVE SYSTEM	22,087
INSTITUTION TOTAL	1	22,087	
CITY TOTAL	1	22,087	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
ROCHESTER			
UNIVERSITY OF ROCHESTER			
GM22917-01	FISCHER, HARRY W	MULTIPLE FACTORS IN SEVERE REACTIONS IN UROGRAPHY	24,849
HL18551-01	KIRKPATRICK, FRANCIS H, JR	SPECTRIN, ACTIN, LIPID AND RED CELL MEMBRANE STRUCTURE	24,509
GM22793-01	KREILICK, ROBERT W	LOCAL STRUCTURE OF BIOLOGICAL METAL COMPLEXES	22,769
HL19677-01	MORRIS, THOMAS W	VENOUS STRUCTURE AND FUNCTION	26,611
GM21664-01A1	PUSKIN, JEROME S	EPR OF CATION BINDING AND TRANSPORT BY MEMBRANES	23,078
GM22773-01	THOMPSON, BRIAN J	OPTIMIZATION OF RADIONUCLIDE SPATIAL IMAGING SYSTEMS	40,109
GM22939-01	TURNER, DOUGLAS H	KINETIC AND SPECTROSCOPIC STUDIES OF NUCLEIC ACIDS	44,940
CA19193-01	TURNER, MICHAEL D	PANCREATIC TUMOR-ASSOCIATED ANTIGENS	44,756
INSTITUTION TOTAL	8	251,621	
CITY TOTAL	8	251,621	
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK			
AM18859-01	GORDON, JOEL S	CHANGES IN CELL-SPECIFIC NONHISTONES DURING MYOGENESIS	35,602
RR05778-01	SREEBNY, LEO M	BIOMEDICAL RESEARCH SUPPORT GRANT	45,214
NS12828-01	STRICHARTZ, GARY R	MOLECULAR ASPECTS OF SAXITOXIN BINDING TO NERVE	25,750
INSTITUTION TOTAL	3	106,566	
CITY TOTAL	3	106,566	
SYRACUSE			
STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER			
HL17799-01A1	BROWN, OLIVER M	THE PRESENCE AND SIGNIFICANCE OF HEART ACETYICHOLINE	21,697
INSTITUTION TOTAL	1	21,697	
SYRACUSE UNIVERSITY			
GM22366-01	SULLIVAN, DAVID T	A DEVELOPMENTAL AND GENETIC STUDY OF A TRANSPORT SYSTEM	28,626
INSTITUTION TOTAL	1	28,626	
CITY TOTAL	2	50,323	
TROY			
RENSSELAER POLYTECHNIC INSTITUTE			
GM22720-01	FERRIS, JAMES P	A FUNGAL MONOOXYGENASE SIMILAR TO HEPATIC P-450	36,720
INSTITUTION TOTAL	1	36,720	
CITY TOTAL	1	36,720	
STATE TOTAL	64	2,690,412	

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NIH
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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
GM22385-01	LACHENBRUCH, PETER A	ROBUSTNESS OF DISCRIMINATION IN EPIDEMIOLOGY	33,203
DE04267-01	WARREN, DONALD W	CLEFT PALATE, MALOCCLUSION AND LINGUAL ARTICULATION	53,030
INSTITUTION TOTAL	2	86,233	
CITY TOTAL	2	86,233	
DURHAM			
DUKE UNIVERSITY			
GM21887-01A1	GUILD, WALTER R	PNEUMONOCOCCAL PHAGE AS GENETIC TOOLS	21,386
GM22477-01	MC CLAY, DAVID R, JR	CELL SURFACE MOLECULES IN EMBRYONIC CELL ADHESION	33,156
NS13229-01	MC ELHANEY, JAMES H	BIOMECHANICAL STUDIES OF THE LOWER SPINE	59,605
HL18593-01	PINNELL, SHELDON R	CHARACTERIZATION OF HEART VALVE COLLAGEN	45,768
HL18589-01	WILLIAMS, REDFORD B, JR	PSYCHOSOCIAL FACTORS AND OUTCOME IN CORONARY DISEASE	20,085
INSTITUTION TOTAL	5	180,000	
CITY TOTAL	5	180,000	
STATE TOTAL	7	266,233	
OHIO			
CINCINNATI			
CHILDREN'S HOSPITAL MEDICAL CENTER			
HD09951-01	WILSON, JAMES G	BASES OF CELLULAR SENSITIVITY TO TERATOGENIC AGENTS	68,329
INSTITUTION TOTAL	1	68,329	
UNIVERSITY OF CINCINNATI			
GM22766-01	BROWN, RONALD D	CONTROL OF GENE EXPRESSION DURING EARLY DEVELOPMENT	35,589
HL18914-01	MC CUSKEY, ROBERT S	HEPATIC MICROVASCULAR REGULATORY MECHANISMS	20,749
INSTITUTION TOTAL	2	56,338	
CITY TOTAL	3	124,667	
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
HL18725-01	CHEUNG, PETER W	LIGHT-SCATTERING STUDIES OF THE SICKLING PROCESS	42,443
DE04338-01	OCCHINO, JOSEPH C	CHARACTERIZATION OF ORAL MUCOSA AND SKIN BASAL LAMINA	28,572
GM22920-01	UTTER, MERION F	ELECTRON MICROSCOPY OF ENZYMES	71,201
EY01663-01	VICTOR, MAURICE	VITAMIN B12 DEFICIENCY IN RHESUS MONKEYS	21,417
INSTITUTION TOTAL	4	163,633	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OHIO			
CLEVELAND			
CLEVELAND CLINIC HOSPITAL			
HL16361-01A2	SHAINOFF, JOHN R	FIBRIN COMPLEXES IN INTERMEDIARY COAGULATION	41,785
INSTITUTION TOTAL	1	41,785	
CITY TOTAL	5	205,418	
COLUMBUS			
OHIO STATE UNIVERSITY			
HL19062-01	FERTEL, RICHARD H	THE PHARMACOLOGIC CONTROL OF MAST CELL PHOSPHODIESTERASE	31,202
GM22662-01	JORNS, MARILYN S	FLAVOENZYME MECHANISMS: REDOX AND NONREDOX REACTIONS	25,374
NS12822-01	LIM, DAVID J	RECENT ADVANCES IN MIDDLE EAR EFFUSIONS	4,000
GM21896-01A1	PERLMAN, PHILIP S	DELETIONS AND MITOCHONDRIAL GENETIC RECOMBINATION	35,000
HL18933-01	PIEPER, HEINZ P	ENERGY OUTPUT AND EFFICIENCY OF LEFT VENTRICLE	24,142
AM18844-01	SPRECHER, HOWARD W	EFFECTS OF DIETARY CHANGE ON PHOSPHOLIPID METABOLISM	23,858
INSTITUTION TOTAL	6	143,576	
CITY TOTAL	6	143,576	
DAYTON			
UNIVERSITY OF DAYTON			
GM22611-01	SCHWELITZ, FAYE D	CYCLIC NUCLEOTIDES, ESPECIALLY CAMP, IN EUGLENA	26,991
INSTITUTION TOTAL	1	26,991	
WRIGHT STATE UNIVERSITY			
RR07155-01	HUTCHINGS, BRIAN L	BIOMEDICAL RESEARCH SUPPORT GRANT	28,027
INSTITUTION TOTAL	1	28,027	
CITY TOTAL	2	55,018	
KENT			
KENT STATE UNIVERSITY			
GM22599-01	DOANE, J WILLIAM	SELF AND RESTRICTED DIFFUSION IN THE BILAYER MEMBRANE	33,729
INSTITUTION TOTAL	1	33,729	
CITY TOTAL	1	33,729	
YELLOW SPRINGS			
FELS RESEARCH INSTITUTE			
GM22433-01	ARMSTRONG, MARVIN D	UNIDENTIFIED AMINO ACIDS IN HUMAN BLOOD PLASMA	24,437
INSTITUTION TOTAL	1	24,437	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	24,437	
STATE TOTAL	18	586,845	
OKLAHOMA			
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER			
GM22902-01	DELANEY, ROBERT	STRUCTURE OF RHIZOPUS CHINENSIS ACID PROTEASE	32,575
INSTITUTION TOTAL	1	32,575	
CITY TOTAL	1	32,575	
STILLWATER			
OKLAHOMA STATE UNIVERSITY			
GM22415-01	LIAO, TA-HSIU T	STRUCTURE-FUNCTION RELATIONSHIPS OF DEOXYRIBONUCLEASE	28,015
INSTITUTION TOTAL	1	28,015	
CITY TOTAL	1	28,015	
STATE TOTAL	2	60,590	
OREGON			
BEAVERTON			
OREGON GRADUATE CENTER FOR STUDY AND RESEARCH			
GM22972-01	SWANSON, LYNWOOD W	A SCANNING FIELD ION MICROSCOPE	43,817
INSTITUTION TOTAL	1	43,817	
CITY TOTAL	1	43,817	
CORVALLIS			
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY			
GM22916-01	VAN HOLDE, KENSAL E	SUBUNIT STRUCTURE OF CHROMATINS	34,069
INSTITUTION TOTAL	1	34,069	
CITY TOTAL	1	34,069	
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
NS12808-01	BRUMMETT, ROBERT E	KANAMYCIN-ETHACRYNIC ACID INDUCED COCHLEAR DAMAGE	40,657
AM17906-01A1	KENNAWAY, NANCY G	UREA CYCLE. STUDY OF NORMAL AND MUTANT GENE PRODUCTS	32,626

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OREGON			
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
CA19221-01	ROSCH, JOSEF	RETROGRADE PANCREATIC VENOGRAPHY--ANIMAL AUTOPSY STUDIES	30,460
NS12864-01	WALLOCH, RICHARD A	BEHAVIORAL EVALUATION OF COCHLEAR IMPLANTS	33,257
INSTITUTION TOTAL	4	137,000	
CITY TOTAL	4	137,000	
STATE TOTAL	6	214,386	
PENNSYLVANIA			
BETHLEHEM			
LEHIGH UNIVERSITY			
HL18554-01	SCHAFFER, STEPHEN W	TAURINE METABOLISM IN MAMMALIAN HEART	19,750
GM22378-01	SCHRAY, KEITH J	ANOMERIC SPECIFICITY AND 1- EPIMERASE ACTIVITIES	20,859
NS12608-01	YOUNG, THOMAS E	ELECTROCHEMICAL STUDIES OF MELANIN PRECURSORS	23,975
INSTITUTION TOTAL	3	64,580	
CITY TOTAL	3	64,580	
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
AM19056-01	BULLOCK, LESLIE P	MECHANISM OF HORMONE ACTION IN ERYTHROPOIETIC CELL	27,127
HL18631-01	MC CALLISTER, LAWRENCE P	ULTRASTRUCTURAL CORRELATES OF MYOCARDIAL ISCHEMIA	38,000
INSTITUTION TOTAL	2	65,127	
CITY TOTAL	2	65,127	
PHILADELPHIA			
CHILDREN'S HOSPITAL OF PHILADELPHIA			
ES01335-01	KATZ, SOLOMON H	ENVIRONMENTAL LEAD AND NEUROPSYCHOLOGICAL DEVELOPMENT	45,483
INSTITUTION TOTAL	1	45,483	
TEMPLE UNIVERSITY			
GM22359-01	BASERGA, RENATO L	CHROMOSOMAL PROTEINS IN CELL PROLIFERATION	58,274
AI13350-01	ERNST, SUE C	FUNCTION AND RENEWAL OF SURFACES IN SCHISTOSOMA	19,650
AM19154-01	FARBER, JOHN L	PATHOGENESIS OF LIVER CELL NECROSIS	37,482
HL19009-01	PHILLIPS, STEVEN J	MORPHOMETRIC ANALYSIS OF THE SINOATRIAL NODE	35,125
INSTITUTION TOTAL	4	150,531	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
PHILADELPHIA			
THOMAS JEFFERSON UNIVERSITY			
CA20235-01	KRAMER, SIMON	RADIATION THERAPY ONCOLOGY GROUP	60,688
INSTITUTION TOTAL	1	60,688	
UNIVERSITY OF PENNSYLVANIA			
HL18708-01	CHANCE, BRITTON	OXYGEN, ENERGY AND CONTRACTILITY IN CARDIAC TISSUE	320,518
HL19055-01	HICKS, RICHARD E	PLATELET FUNCTION DURING EXTRACORPOREAL PERFUSION	121,478
HL18683-01	HIRSHFELD, JOHN W, JR	LEFT VENTRICULAR FUNCTION IN AORTIC REGURGITATION	51,809
AM17865-01A1	LEHR, HERNDON B	MICROWAVE THAWING OF FROZEN TISSUE	61,325
GM22623-01	LU, PONZY	NMR STUDY OF A REGULATORY PROTEIN	34,328
EY01815-01	PALMER, LARRY A	FUNCTIONAL CONNECTIVITY IN THE VISUAL CORTEX	21,910
HL18848-01	PATTERSON, DONALD F	ETIOLOGY AND DEVELOPMENT OF CONGENITAL HEART DISEASE	79,640
DE04446-01	POLLACK, SOLOMON R	INTERNATIONAL BIOMATERIALS CONFERENCE 1976	7,300
HL19045-01	SPEAR, JOSEPH F	ELECTROPHYSIOLOGY OF CARDIAC AUTOMATICITY	31,317
GM22647-01	THORNTON, EDWARD R	GLYCOSPHINGOLIPID CHEMISTRY AND MEMBRANE STRUCTURE	43,900
HL18749-01	WEBER, KARI T	VENTRICULAR MECHANICS IN THE OVERLOADED HEART	32,354
DE04110-01A1	WHITAKER, LINTON A	EXPERIMENTAL BASES FOR CRANIOFACIAL DYSJUNCTION	64,123
HL18900-01	WINEGRAD, SAUL	INTERCELLULAR FACTORS IN FUNCTION OF CARDIAC CELLS	34,119
INSTITUTION TOTAL	13	904,117	
CITY TOTAL	19	1,160,819	
PITTSBURGH			
ALLEGHENY GENERAL HOSPITAL			
CA17722-01A1	CONCANNON, JOSEPH P	RADIATION THERAPY ONCOLOGY GROUP	35,320
INSTITUTION TOTAL	1	35,320	
EYE AND EAR HOSPITAL OF PITTSBURGH			
RR05779-01	BROWN, STUART I	BIOMEDICAL RESEARCH SUPPORT GRANT	24,611
INSTITUTION TOTAL	1	24,611	
UNIVERSITY OF PITTSBURGH			
HL18609-01	ANDERSON, JULIUS H, JR	HEPATIC UPTAKE OF PROPRANOLOL--DRUG INTERACTIONS	16,860
CA18653-01	FISHER, BERNARD	EASTERN COOPERATIVE ONCOLOGY GROUP	46,470
EY01642-01	GOLDSTEIN, E BRUCE	VELOCITY PREFERENCE OF NEURONS IN LGN & RETINA	19,293
AM18664-01	LOMBARDI, BENITO	ACUTE HEMORRHAGIC PANCREATITIS WITH FAT NECROSIS	43,930
AM18827-01	SAX, MARTIN	CRYSTAL STRUCTURE OF M-COMPONENTS	48,813
HD09694-01	SIEGEL, ALEXANDER W	THE DEVELOPMENT OF SPATIAL REPRESENTATIONS	29,476
GM22558-01	STEVENS, CHARLES L	THE INITIAL STAGES OF PROTEIN POLYMERIZATION	24,704
INSTITUTION TOTAL	7	229,546	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	9	289,47[illegible]	
PENNSYLVANIA			
SWARTHMORE			
SWARTHMORE COLLEGE			
HD10042-01	HENNING, SUSAN J	REGULATION OF INTESTINAL DEVELOPMENT	30,520
INSTITUTION TOTAL	1	30,520	
CITY TOTAL	1	30,520	
UNIVERSITY PARK			
PENNSYLVANIA STATE UNIVERSITY			
EY01652-01	ARNETT, DAVID W	INTERACTIONS BETWEEN MAMMALIAN RETINAL GANGLION CELLS	7,185
GM22953-01	MASTRO, ANDREA M	PHOSPHORYLATION OF CELL SURFACES	28,000
DE04345-01	SCHRAER, HARALD	CELLULAR AND MOLECULAR ASPECTS OF MINERALIZATION	45,183
INSTITUTION TOTAL	3	80,368	
CITY TOTAL	3	80,368	
STATE TOTAL	37	1,690,891	
RHODE ISLAND			
KINGSTON			
GORDON RESEARCH CONFERENCES			
HL18959-01	DEHAAN, ROBERT L	GORDON CONFERENCE ON RHYTHMIC ACTIVITY IN MUSCLE	6,000
INSTITUTION TOTAL	1	6,000	
UNIVERSITY OF RHODE ISLAND			
RR05777-01	DE FEO, JOHN J	BIOMEDICAL RESEARCH SUPPORT GRANT	18,644
RR07086-01	WOOD, NORRIS P	BIOMEDICAL RESEARCH SUPPORT GRANT	21,004
INSTITUTION TOTAL	2	39,648	
CITY TOTAL	3	45,648	
PROVIDENCE			
BROWN UNIVERSITY			
GM22882-01	GERBI, SUSAN A	CHROMOSOMES: GENETIC UNITS IN THE HETEROCHROMATIN	30,000
GM22347-01	PYSH, EUGENE S	CHARACTERIZATION OF BIOPOLYMERS BY VACUUM UV CD	25,958
INSTITUTION TOTAL	2	55,958	
CITY TOTAL	2	55,958	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	5	101,606	
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
GM22819-01	CUNNINGHAM, EARLENE B	INTERACTIONS OF ENZYMES OF THE ERYTHROCYTE MEMBRANE	35,456
INSTITUTION TOTAL	1	35,456	
CITY TOTAL	1	35,456	
CLEMSON			
CLEMSON UNIVERSITY			
GM22718-01	HILDERMAN, RICHARD H	STUDIES ON THE AMINOACYL-TRNA SYNTHETASE COMPLEX	53,500
GM22788-01	POWELL, GARY L	ACYI COA INTERACTION WITH HEART CITRATE SYNTHASE	32,570
INSTITUTION TOTAL	2	86,070	
CITY TOTAL	2	86,070	
COLUMBIA			
UNIVERSITY OF SOUTH CAROLINA			
AM18802-01	BRYSON, THOMAS A	SYNTHESIS, ACTIVITY AND REACTIVITY OF 9-BORASTEROIDS	20,603
RR07160-01	MACON, A R	BIOMEDICAL RESEARCH SUPPORT GRANT	43,152
INSTITUTION TOTAL	2	63,755	
CITY TOTAL	2	63,755	
STATE TOTAL	5	185,281	
SOUTH DAKOTA			
VERMILLION			
UNIVERSITY OF SOUTH DAKOTA			
GM22845-01	THOMAS, JOHN A	MECHANISM OF OXIDATIVE PHOSPHORYLATION	26,953
INSTITUTION TOTAL	1	26,953	
CITY TOTAL	1	26,953	
STATE TOTAL	1	26,953	
TENNESSEE			
MEMPHIS			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES			
HL18650-01	CHESNEY, CAROLYN M	PLATELET COLLAGEN INTERACTION	28,454

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TENNESSEE			
MEMPHIS			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES			
HL18579-01	NASJLETTI, ALBERTO	VASOACTIVE HORMONES AND BLOOD PRESSURE REGULATION	49,188
HL18489-01	PREWITT, RUSSELL L, JR	HEMODYNAMIC INTERACTIONS OF VASCACTIVE CHEMICALS	33,439
NS12590-01	WOOD, JOHN G	LOCATION AND FUNCTION OF CARBOHYDRATES IN THE BRAIN	31,775
INSTITUTION TOTAL	4	142,856	
CITY TOTAL	4	142,856	
NASHVILLE			
MEHARRY MEDICAL COLLEGE			
RR07167-01	JOHNSON, CHARLES W	BIOMEDICAL RESEARCH SUPPORT GRANT	24,397
INSTITUTION TOTAL	1	24,397	
VANDERBILT UNIVERSITY			
AI12996-01	CARTER, CLINT E	ISOLATION AND PURIFICATION OF S. MANSONI EGGS	25,212
AM18660-01	EXTON, JOHN H	ALPHA-ADRENERGIC CONTROL OF LIVER METABOLISM	30,329
AM18724-01	NICHOALDS, GEORGE E	INTRAVENOUS REQUIREMENTS FOR MICRONUTRIENTS	74,134
EY01621-01	O'DAY, DENIS M	STUDIES IN EXPERIMENTAL FUNGAL ENDOPHTHALMITIS	37,643
AM18733-01	REGEN, DAVID M	GLUCOSE-TRANSPORT REGULATION IN THYMOCYTES	35,050
INSTITUTION TOTAL	5	202,364	
CITY TOTAL	6	226,761	
STATE TOTAL	10	369,617	
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
GM22693-01	DILLER, KENNETH R	THERAPEUTIC EFFECTIVENESS OF POST BURN COOLING	28,823
HL18993-01	FOLKERS, KARL	BIOLOGICAL INVESTIGATIONS OF SUBSTANCE P	36,695
HD09908-01	FRISBIE, W PARKER	MARITAL INSTABILITY AMONG MEXICAN AMERICANS	34,875
INSTITUTION TOTAL	3	100,393	
CITY TOTAL	3	100,393	
COLLEGE STATION			
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY			
GM22791-01	GLOVER, GEORGE I	CHEMICAL AND PHYSICAL STUDIES ON PREPHENATE DEHYDRATASE	32,588
GM22950-01	MACFARLANE, RONALD D	BIOMEDICAL USE OF PLASMA DESORPTION MASS SPECTROMETRY	67,545
INSTITUTION TOTAL	2	100,133	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	2	100,133	
TEXAS			
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
GM22525-01	BUTOW, RONALD A	REGULATION OF MITOCHONDRIAL BIOGENESIS IN YEAST	30,256
HL18456-01	FIXIER, DAVID E	CARDIOVASCULAR FOLLOW-UP OF HYPERTENSIVE ADOLESCENTS	55,041
AM19101-01	GILLIAM, JAMES N	SKIN INVOLVEMENT IN SLE IN NEW ZEALAND MICE	33,641
HL18730-01	GOMEZ-SANCHEZ, CELSO E	ROLE OF MINERALOCORTICOIDS IN LOW RENIN HYPERTENSION	35,432
AM19027-01	GRIFFIN, BRENDA W	HEMEPROTEIN REACTIONS WITH LIPID HYDROPEROXIDES	30,082
INSTITUTION TOTAL	5	184,454	
CITY TOTAL	5	184,454	
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
EY01715-01	BARON, SAMUEL	ACUTE HEMORRHAGIC CONJUNCTIVITIS AND INTERFERON	38,586
HL19048-01	BAUR, PAUL S	STRUCTURE OF BARORECEPTORS IN HYPERTENSION	29,540
RR01024-01	HULET, WILLIAM H	CAPTURE AND MAINTENANCE OF THE SQUID LOLIGO PEALEI	75,000
HL18839-01	STONE, HUBERT L	REPETITIVE EXERCISE AND CARDIAC ENLARGEMENT	63,744
INSTITUTION TOTAL	4	206,872	
CITY TOTAL	4	206,872	
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
NS12910-01	COATS, ALFRED C	HUMAN AUDITORY NERVE AND BRAINSTEM EVOKED POTENTIALS	41,756
HL18692-01	DI FERRANTE, NICOLA M	GLYCOSAMINOGLYCANS AND LIPOPROTEINS OF HUMAN PLASMA	72,029
INSTITUTION TOTAL	2	113,785	
RICE UNIVERSITY			
GM22441-01	MATTHEWS, KATHLEEN S	FLUORESCENCE STUDIES OF THE LACTOSE REPRESSOR PROTEIN	39,503
INSTITUTION TOTAL	1	39,503	
UNIVERSITY OF HOUSTON			
GM22927-01	DYCKES, DOUGLAS F	PROTEIN CONFORMATIONAL STUDIES BY MULTINUCLEAR NMR	23,526
EY01728-01	LEVI, DENNIS M	CONTRAST SENSITIVITY IN AMBLYOPIA	24,089
INSTITUTION TOTAL	2	47,615	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
AI13385-01	EVANS, DOLORES G	VIRULENCE FACTORS OF E. COLI ENTEROTOXIGENIC FOR MAN	34,710
AM18629-01	JACOBSON, EUGENE D	INTESTINAL ISCHEMIA	35,625
INSTITUTION TOTAL	2	70,335	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
CA20131-01	BECKER, FREDERICK F	ANALYSIS OF CHROMATIN DURING CHEMICAL CARCINOGENESIS	65,723
INSTITUTION TOTAL	1	65,723	
CITY TOTAL	8	336,961	
LUBBOCK			
TEXAS TECH UNIVERSITY			
HL19136-01	MARKWALD, ROGER R	MUCOPOLYSACCHARIDE METABOLISM IN CARDIAC ANOMALIES	43,246
GM22653-01	SEVALL, JACK S	ANALYSIS OF DNA BINDING NONHISTONE CHROMOSOMAL PROTEINS	38,304
DE04371-01	YEE, JOHN A	CYTODIFFERENTIATION OF PERIODONTAL LIGAMENT FIBROBLASTS	10,000
INSTITUTION TOTAL	3	91,550	
CITY TOTAL	3	91,550	
SAN ANTONIO			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO			
HL19057-01	BECK, NAMA	CATECHOLAMINES AND CYCLIC AMP IN CARDIOVASCULAR SYSTEM	73,389
HL18852-01	HANAHAN, DONALD J	BIOCHEMICAL STUDIES ON THE BLOOD COAGULATION PROCESS	81,438
DE04407-01	NORLING, BARRY K	HARD COATING OF DENTAL ROTARY CUTTING INSTRUMENTS	10,000
INSTITUTION TOTAL	3	164,827	
CITY TOTAL	3	164,827	
STATE TOTAL	28	1,185,190	
UTAH			
SALT LAKE CITY			
LATTER-DAY SAINTS HOSPITAL SYSTEM--LATTER-DAY SAINTS HOSPITAL			
CA17906-01A1	PLENK, HENRY P	RADIATION THERAPY ONCOLOGY GROUP	33,970
INSTITUTION TOTAL	1	33,970	
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
HD09791-01	CARDINAL, JOHN R	CONTROLLED RELEASE OF PROGESTINS IN POLYMERIC SYSTEMS	21,439

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
AI12921-01	KOLAKOFSKY, DANIEL	REPLICATION OF PARAINFLUENZA VIRUSES	15,238
GM22952-01	MOSS, STANLEY D	SENSITIVE FIELD-EFFECT TRANSDUCERS	124,948
NS12812-01	PARTLOW, LESTER M	NEURONAL-GLIAL INTERACTIONS IN VITRO AND IN VIVO	60,000
GM22638-01	VESTAL, MARVIN L	CROSSED-BEAM LC-MS FOR INVOLATILE BIOLOGICAL SAMPLES	123,323
HL18053-01	WALKER, JOHN L	INTRACELLULAR IONIC ACTIVITIES IN HEART MUSCLE	27,206
INSTITUTION TOTAL	6	372,154	
CITY TOTAL	7	406,124	
STATE TOTAL	7	406,124	
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
HL17592-01A1	ALPERT, NORMAN R	ROLE OF MYOSIN IN COMPENSATED CARDIAC HYPERTROPHY	62,394
CA17571-01A1	BROWN, G STEPHEN	RADIATION THERAPY ONCOLOGY GROUP	37,298
INSTITUTION TOTAL	2	99,692	
CITY TOTAL	2	99,692	
STATE TOTAL	2	99,692	
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
GM22738-01	GARRETT, REGINALD H	THE REGULATION OF NITRATE ASSIMILATION	29,945
GM22430-01	HUANG, CHING-HSIEN	PROTEIN KINASE--PHYSICAL STRUCTURE & BIOLOGICAL ACTIVITY	39,891
GM22407-01	REBHUN, LIONEL I	CALCIUM SULPHYDRYIS AND THE MITOTIC APPARATUS	30,700
HL18711-01	SPERELAKIS, NICK	ELECTROPHYSIOLOGY OF HEART CELLS	46,081
AM19096-01	WINFIELD, JOHN B	ANTILYMPHOCYTE ANTIBODIES IN LUPUS ERYTHEMATOSUS	36,230
INSTITUTION TOTAL	5	182,847	
CITY TOTAL	5	182,847	
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
NS12587-01A1	BECKER, DONALD P	HEAD INJURY CLINICAL RESEARCH CENTER	305,356
HL19138-01	FABIATO, ALEXANDRE	CONTRACTILE ACTIVATION OF SKINNED CARDIAC CELLS	60,007
AM18976-01	FALLON, HAROLD J	LIVER METABOLISM PROGRAM PROJECT	323,462

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
VIRGINIA			
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
AM18887-01	MOORE, EDWARD W	NH3 ELECTRODE STUDIES OF AMMONIA METABOLISM	47,602
DE04271-01	PRICE, STEVEN	A MOLECULAR GENETIC APPROACH TO OLFACTION	33,143
HL18932-01	ROSENBLUM, WILLIAM I	BRAIN MICROCIRCULATION OBSERVED IN VIVO AFTER TRAUMA	25,783
GM22597-01	VAN TUYLE, GLENN C	MEMBRANE-BINDING AND FOLDING OF MITOCHONDRIAL DNA	24,868
INSTITUTION TOTAL	7	820,221	
CITY TOTAL	7	820,221	
STATE TOTAL	12	1,003,068	
WASHINGTON			
PULLMAN			
WASHINGTON STATE UNIVERSITY			
HL18527-01	GOLLNICK, PHILIP D	SUBCELLULAR RESPONSE OF HEART TO FUNCTIONAL OVERLOAD	102,320
INSTITUTION TOTAL	1	102,320	
CITY TOTAL	1	102,320	
SEATTLE			
FRED HUTCHINSON CANCER RESEARCH CENTER			
CA20068-01	NEIMAN, PAUL E	MOLECULAR MECHANISMS IN NEOPLASIA	82,794
INSTITUTION TOTAL	1	82,794	
UNIVERSITY OF WASHINGTON			
GM22870-01	BENDICH, ARNOLD J	REPEATED DNA SEQUENCES AND LAND PLANT EVOLUTION	68,925
GM22759-01	BOLENDER, ROBERT P	ANALYTICAL MORPHOLOGY AND BIOCHEMISTRY OF HEPATOCYTES	46,375
GM22311-01	CHRISTIAN, GARY D	A NEW CONCEPT IN FLUORESCENCE ANALYSIS	71,272
AM18951-01	DALE, DAVID C	MARROW REGULATION IN CYCLIC HEMATOPOIESIS	33,697
GM22937-01	DAVIDSON, ERNEST R	ELECTRONIC STRUCTURE OF BIOCARBONYLS	35,293
GM22603-01	KWIRAM, ALVIN L	CDMR OF FLAVINS AND FLAVOPROTEINS	40,750
HL18150-01A1	LOWE, MICHAEL C	MORPHOLOGICAL ASPECTS OF MYOCARDIAL AMINE METABOLISM	31,985
EY01695-01	TELLER, DAVIDA Y	VISION IN HUMAN INFANTS	59,328
INSTITUTION TOTAL	8	387,625	
CITY TOTAL	9	470,419	
STATE TOTAL	10	572,739	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
AM18624-01	BELZER, FOLKERT O	STUDIES IN ORGAN PRESERVATION	51,250
HL18612-01	GREASER, MARION L	THIN FILAMENT CONTROL OF HEART CONTRACTION	34,380
HL18952-01	RANKIN, JOHN	METABOLISM IN PERFUSED FETAL AND NEWBORN RABBIT LUNGS	30,420
GM22524-01	TOREN, E CLIFFORD, JR	MICROCOMPUTERIZED AUTOMATION FOR CLINICAL CHEMISTRY	71,276
EY01634-01	WALLOW, INGOLF H	THE BLOOD-RETINAL BARRIER IN DIABETIC RETINOPATHY	39,465
LM02856-01	WARD, PATRICIA S	HUGH CABOT (1872-1945): A STUDY IN MEDICAL REFORM	10,287
GM22478-01	ZOGRAFI, GEORGE	INTERFACIAL LIPID-LIPID INTERACTIONS	20,345
INSTITUTION TOTAL	7	257,423	
CITY TOTAL	7	257,423	
MILWAUKEE			
MARQUETTE UNIVERSITY			
GM22429-01	KRISHNA KUMARAN, A	CHANGES IN HORMONE METABOLISM AND DIFFERENTIATION	28,935
INSTITUTION TOTAL	1	28,935	
MEDICAL COLLEGE OF WISCONSIN			
GM22923-01	HYDE, JAMES S	PHYSICAL PROPERTIES OF NITROXIDE RADICAL SPIN LABELS	51,244
HD09991-01	KLITGAARD, HOWARD M	EFFECTS OF THYROID HORMONES ON CARTILAGE METABOLISM	15,466
INSTITUTION TOTAL	2	66,710	
CITY TOTAL	3	95,645	
STATE TOTAL	10	353,068	
WYOMING			
LARAMIE			
UNIVERSITY OF WYOMING			
RR07157-01	MEYER, E GERALD	BIOMEDICAL RESEARCH SUPPORT GRANT	20,111
INSTITUTION TOTAL	1	20,111	
CITY TOTAL	1	20,111	
STATE TOTAL	1	20,111	
AUSTRALIA			
CANBERRA			
AUSTRALIAN NATIONAL UNIVERSITY			
GM22710-01	WHITE, MICHAEL J	CYTOGENETICS--CHROMOSOME REARRANGEMENTS	15,276
INSTITUTION TOTAL	1	15,276	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	15,276	
STATE TOTAL	1	15,276	
FINLAND			
HELSINKI			
UNIVERSITY OF HELSINKI			
AI13145-01	KONTIAINEN, SIRKKA K	STIMULATION OF T-CELLS WITH PROTEIN ANTIGENS	26,000
INSTITUTION TOTAL	1	26,000	
CITY TOTAL	1	26,000	
STATE TOTAL	1	26,000	
ISRAEL			
HAIFA			
ISRAEL INSTITUTE OF TECHNOLOGY			
GM22264-01	BRANDON, DAVID G	EPITAXIAL SANDWICHING OF BIOPOLYMERS	21,481
INSTITUTION TOTAL	1	21,481	
CITY TOTAL	1	21,481	
STATE TOTAL	1	21,481	
SWITZERLAND			
LAUSANNE			
WORLD HEALTH ORGANIZATION--INTERNATIONAL REFERENCE CENTRE IMMUNOGLOBULINS			
AI13126-01	ROWE, DAVID S	PROTECTIVE IMMUNITY IN LEISHMANIASIS	20,000
INSTITUTION TOTAL	1	20,000	
CITY TOTAL	1	20,000	
VAUD			
EUROPEAN ORGANIZATION FOR CARIES RESEARCH			
DE04438-01	HARDWICK, J I	COMMUNICATION IN DENTAL CARIES RESEARCH	9,110
INSTITUTION TOTAL	1	9,110	
CITY TOTAL	1	9,110	
STATE TOTAL	2	29,110	

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NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	57,912		
MISSOURI				
UNIVERSITY CITY				
WASHINGTON UNIVERSITY				
AI62502-00	SHREFFLER, DONALD C		PREPARE SPECIFIC ALLOANTISERA	60,340
INSTITUTION TOTAL	1	60,340		
CITY TOTAL	1	60,340		
STATE TOTAL	2	118,252		
NEBRASKA				
LINCOLN				
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA AT LINCOLN				
CA23212-00	BANERJEE, MIHIR R		CHEMICAL CARCINOGEN-INDUCED NODULI- AND TUMORI-GENESIS	43,000
INSTITUTION TOTAL	1	43,000		
CITY TOTAL	1	43,000		
OMAHA				
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER				
NS22300-00	FRIEDLANDER, WALTER J		SUPPORT FOR CLINICAL NEUROLOGY INFORMATION CENTER	96,571
LM64717-00	NOT APPLICABLE		6 COMMUNICATIONS TECHNOLOGY SATELLITE GROUND TERMINALS	972,000
INSTITUTION TOTAL	2	1,068,571		
CITY TOTAL	2	1,068,571		
STATE TOTAL	3	1,111,571		
NEW JERSEY				
GARFIELD				
LABORATORY PRODUCTS, INC.				
CO65327-00	TO BE APPOINTED		PROTOTYPE ANIMAL CAGE RACK ISOLATOR	4,999
INSTITUTION TOTAL	1	4,999		
CITY TOTAL	1	4,999		
PRINCETON				
EDUCATIONAL TESTING SERVICE				
HD42803-00	LEWIS, MICHAEL		EFFECT OF BIRTH ORDER ON MOTHER-CHILD RELATIONSHIP	88,825
INSTITUTION TOTAL	1	88,825		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MICHIGAN			
KALAMAZOO			
UPJOHN COMPANY			
CB64027-00	BYFIELD, PATRICIA E	SUBPOPULATION SPECIFIC ANTISERA	10,139
INSTITUTION TOTAL	1	10,139	
CITY TOTAL	1	10,139	
STATE TOTAL	5	428,821	
MINNESOTA			
MINNEAPOLIS			
MOUNT SINAI HOSPITAL			
HV52926-00	SEGAL, MARVIN S	CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	44,443
INSTITUTION TOTAL	1	44,443	
CITY TOTAL	1	44,443	
ROCHESTER			
MAYO FOUNDATION			
CM53838-00	MOERTEL, CHARLES G	PHASE I STUDIES OF NEW ANTICANCER AGENTS	165,715
INSTITUTION TOTAL	1	165,715	
CITY TOTAL	1	165,715	
STATE TOTAL	2	210,158	
MISSISSIPPI			
JACKSON			
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER			
HV52912-00	HUTCHINSON, RICHARD G	CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	41,853
INSTITUTION TOTAL	1	41,853	
CITY TOTAL	1	41,853	
STATE TOTAL	1	41,853	
MISSOURI			
KANSAS CITY			
AMERICAN ACADEMY OF FAMILY PHYSICIANS			
CN65060-00	KILLIAN, HARRY A	FAMILY PHYSICIAN IN DIAGNOSIS AND MANAGEMENT OF CANCER	57,912
INSTITUTION TOTAL	1	57,912	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
NEW YORK			
NEW YORK			
COLUMBIA UNIVERSITY			
HD22038-00	PRESSER, HARRIET B	FERTILITY PATTERNS OF URBAN MOTHERS	88,828
INSTITUTION TOTAL	1	88,828	
CORNELL UNIVERSITY MEDICAL CENTER			
HV52931-00	SCHEIDT, STEPHEN	CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	49,487
AG62122-00	WEKSLER, MARC E	LYMPHOCYTE AND SERUM IMMUNOGLOBULIN DURING LIFE OF MICE	42,400
INSTITUTION TOTAL	2	91,887	
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES			
CN45048-00	LEPLEY, JAMES B	TRAINING OF MAXILIOFACIAL PROSTHODONTISTS	63,559
CN45052-00	ROBBINS, GUY F	DEVELOPMENT OF CANCER REHABILITATION SERVICES	332,760
INSTITUTION TOTAL	2	396,319	
NEW YORK UNIVERSITY			
CN45050-00	NELSON, ARTHUR J	TRAINING OF PHYSICAL AND OCCUPATIONAL THERAPISTS	94,594
INSTITUTION TOTAL	1	94,594	
YESHIVA UNIVERSITY			
AI62501-00	BLOOM, BARRY R	CHANGES IN CELL MEDIATED IMMUNITY IN LEPROSY PATIENTS	32,067
INSTITUTION TOTAL	1	32,067	
CITY TOTAL	9	938,309	
ROCHESTER			
UNIVERSITY OF ROCHESTER			
AI22539-00	MAY, AILYN G	HISTOCOMPATIBILITY-MATCHING IN RENAL TRANSPLANTATION	60,226
INSTITUTION TOTAL	1	60,226	
CITY TOTAL	1	60,226	
SCHENECTADY			
GENERAL ELECTRIC COMPANY--CORPORATE RESEARCH AND DEVELOPMENT CENTER			
CP33231-00	FISKE, M D	ONCOLOGY--ELECTRICAL & OPTICAL TECHNOLOGY APPLICATION	294,900
INSTITUTION TOTAL	1	294,900	
CITY TOTAL	1	294,900	

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CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
NEW JERSEY				
PRINCETON				
TOTAL RESEARCH CORPORATION				
CN65178-00	KYLE, CORRINE		BREAST CANCER DEMONSTRATION PROJECT INTERVIEW CONTRACT	296,336
INSTITUTION TOTAL	1	296,336		
CITY TOTAL	2	385,161		
TRENTON				
NEW JERSEY STATE DEPARTMENT OF HEALTH				
CN55169-00	FRASER, LEON		PLANNING FOR A CERVICAL CANCER SCREENING CENTER	49,177
CP61031-00	GOLDFIELD, MARTIN		ETIOLOGIC STUDIES OF CANCER IN NEW JERSEY	83,078
INSTITUTION TOTAL	2	132,255		
CITY TOTAL	2	132,255		
STATE TOTAL	5	522,415		
NEW YORK				
ALBANY				
STATE UNIVERSITY OF NEW YORK				
LM64712-00	HAPEMAN, KENNETH		OPERATION OF MEDLINE BACKUP COMPUTER SYSTEM	34,305
LM34704-00	TO BE APPOINTED		SUPPORT FOR MEDICINE BACKUP SYSTEM	157,269
INSTITUTION TOTAL	2	191,574		
CITY TOTAL	2	191,574		
BUFFALO				
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE				
CM33726-00	CARTER, WILLIAM A		EVALUATION OF THE ANTITUMOR PROPERTIES OF STREPTOVARICIN	77,500
INSTITUTION TOTAL	1	77,500		
CITY TOTAL	1	77,500		
NEW YORK				
BROOKDALE HOSPITAL MEDICAL CENTER				
HD12235-00	KINCL, FRED A		LONG ACTING INJECTABLE PROGESTERONE CONTRACEPTIVE	118,614
INSTITUTION TOTAL	1	118,614		
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE				
CM53837-00	HOLLAND, JAMES		PHASE I STUDIES OF NEW ANTICANCER AGENTS	116,000
INSTITUTION TOTAL	1	116,000		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	136,462		
STATE TOTAL	2	398,937		
OKLAHOMA				
ADA				
VALLEY VIEW HOSPITAL				
CN65295-00	TROSKA, JOE		CLINICAL ONCOLOGY PROGRAM	50,561
INSTITUTION TOTAL	1	50,561		
CITY TOTAL	1	50,561		
STATE TOTAL	1	50,561		
PENNSYLVANIA				
ALLENTOWN				
ALLENTOWN HOSPITAL ASSOCIATION				
CN65288-00	PRAGER, DAVID		CLINICAL ONCOLOGY PROGRAM	73,328
INSTITUTION TOTAL	1	73,328		
CITY TOTAL	1	73,328		
DANVILLE				
INSTITUTE FOR MEDICAL EDUCATION AND RESEARCH				
HV52920-00	LAUBACH, CHARLES A		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	27,383
INSTITUTION TOTAL	1	27,383		
CITY TOTAL	1	27,383		
PHILADELPHIA				
BIOLOGICAL ABSTRACTS				
LM64704-00	SCHULTZ, LOUISE		TOXLINE ENRICHMENT	32,056
INSTITUTION TOTAL	1	32,056		
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA				
CP65766-00	CRAIG, PAUL N		PROVIDE INFORMATION SUPPORT TO THE LUNG CANCER SEGMENT	3,793
CP65738-00	CRAIG, PAUL N		PROVIDE INFORMATION SUPPORT TO THE LUNG CANCER SEGMENT	7,972
CP55652-00	CRAIG, PAUL N		EDITING OF SAFETY MONOGRAPHS FOR THIRTEEN CARCINOGENS	5,000
CP65771-00	CRAIG, PAUL N		LITERATURE SEARCH FOR NCI/CG DECONTAMINATION PROCEDURES	7,830
INSTITUTION TOTAL	4	24,595		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
NEW YORK				
TROY				
RENSSELAER POLYTECHNIC INSTITUTE				
AM62204-00	ZEIMAN, ALLEN		AUGMENTATION OF PERITONEAL DIALYSIS EFFICIENCY	44,633
INSTITUTION TOTAL	1	44,633		
CITY TOTAL	1	44,633		
STATE TOTAL	15	1,607,142		
NORTH CAROLINA				
RESEARCH TRIANGLE PARK				
RESEARCH TRIANGLE INSTITUTE				
CM67089-00	WALL, MONROE E		ISOLATION OF ANTINEOPLASTIC AGENTS FROM PLANTS	181,309
CN65213-00	WILLIAMS, R J		SURVEYS OF PATIENT ATTITUDES ABOUT CANCER CONTROL	40,400
INSTITUTION TOTAL	2	221,709		
CITY TOTAL	2	221,709		
STATE TOTAL	2	221,709		
NORTH DAKOTA				
BISMARCK				
NORTH DAKOTA STATE DEPARTMENT OF HEALTH				
CN55209-00	TO BE APPOINTED		PLANNING A STATE-WIDE CERVICAL CANCER SCREENING PROGRAM	49,268
INSTITUTION TOTAL	1	49,268		
CITY TOTAL	1	49,268		
STATE TOTAL	1	49,268		
OHIO				
CLEVELAND				
CANCER CENTER, INC.				
CN65302-00	FREEHAFER, ALVIN		DEVELOP AND IMPLEMENT AT-HOME REHABILITATION PROGRAMS	262,475
INSTITUTION TOTAL	1	262,475		
CITY TOTAL	1	262,475		
COLUMBUS				
OHIO STATE UNIVERSITY				
IM64715-00	HUDSDETH, DE LAYNE		REGIONAL EDUCATIONAL CENTER	136,462
INSTITUTION TOTAL	1	136,462		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
TEXAS				
HOUSTON				
BAYLOR COLLEGE OF MEDICINE				
CB43897-00	HORNING, EVAN C		DETERMINATION OF STEROID SULFATE CONTENT IN BLOOD	116,200
INSTITUTION TOTAL	1	116,200		
STEHLIN FOUNDATION FOR CANCER RESEARCH				
CB33856-00	GIOVANELLA, BEPPINO C		STUDY OF BREAST-CANCER TRANSPLANTS IN ATHYMIC MICE	90,000
INSTITUTION TOTAL	1	90,000		
CITY TOTAL	2	206,200		
SAN ANTONIO				
SANTA ROSA MEDICAL CENTER				
HV52921-00	COOPER, ELMER E		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	72,322
INSTITUTION TOTAL	1	72,322		
SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION				
CM67075-00	MELTZ, MARTIN L		SCREENING OF NEW MATERIALS FOR CYTOTOXICITY	97,721
INSTITUTION TOTAL	1	97,721		
SOUTHWEST TEXAS METHODIST HOSPITAL				
CN65294-00	WHITECAR, JOHN P, JR		CLINICAL ONCOLOGY PROGRAM	73,465
INSTITUTION TOTAL	1	73,465		
CITY TOTAL	3	243,508		
STATE TOTAL	5	449,708		
UTAH				
SALT LAKE CITY				
SALT LAKE CLINIC RESEARCH FOUNDATION				
HV52923-00	BARKER, ALLAN H		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	55,678
INSTITUTION TOTAL	1	55,678		
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH				
AM42200-00	KOLFF, WILLEM J		DEVELOPMENT OF AN ARTIFICIAL KIDNEY	10,000
HR52943-00	WARD, BRUCE D		TESTING AND EVALUATION OF BRAMSON MEMBRANE LUNG	70,335
INSTITUTION TOTAL	2	80,335		
CITY TOTAL	3	136,013		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
PENNSYLVANIA				
PHILADELPHIA				
LANKENAU HOSPITAL				
HV52938-00	DREIFUS, LEONARD S		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	67,470
INSTITUTION TOTAL		1	67,470	
CITY TOTAL		6	124,121	
PITTSBURGH				
HARMARVILLE REHABILITATION CENTER				
CN65183-00	RICKETTS, J E		INTEGRATED CANCER REHABILITATION SERVICES	183,797
INSTITUTION TOTAL		1	183,797	
UNIVERSITY OF PITTSBURGH				
HD22718-00	DANISHEFSKY, SAMUEL J		NOVEL DERIVATIVES OF PROGESTERONE AND TESTOSTERONE	66,779
INSTITUTION TOTAL		1	66,779	
CITY TOTAL		2	250,576	
STATE TOTAL		10	475,408	
RHODE ISLAND				
KINGSTON				
UNIVERSITY OF RHODE ISLAND				
HD22709-00	ABUSHANAB, ELIE		SYNTHESIS OF POTENTIAL NEW ANTIFERTILITY AGENTS	26,660
INSTITUTION TOTAL		1	26,660	
CITY TOTAL		1	26,660	
STATE TOTAL		1	26,660	
TENNESSEE				
NASHVILLE				
VANDERBILT UNIVERSITY				
CP65730-00	HNILICA, LUBOMIR S		NONHISTONE DNA BINDING PROTEINS	94,413
INSTITUTION TOTAL		1	94,413	
CITY TOTAL		1	94,413	
STATE TOTAL		1	94,413	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	3	169,992	
WISCONSIN			
MADISON			
ENDOCRINE LABORATORIES OF MADISON			
FS62111-00	DAVIS, JAMES	EFFECT OF CERTAIN AGENTS ON REPRODUCTIVE TRACT FUNCTIONS	206,986
INSTITUTION TOTAL	1	206,986	
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
CM67076-00	PERLMAN, D	CELL CULTURE SCREENING OF NEW MATERIALS FOR CYTOTOXICITY	56,262
INSTITUTION TOTAL	1	56,262	
CITY TOTAL	2	263,248	
STATE TOTAL	2	263,248	
PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO SYSTEM--UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES CAMPUS			
HV52910-00	GARCIA-PALMIERI, MARIO R	CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	29,625
INSTITUTION TOTAL	1	29,625	
CITY TOTAL	1	29,625	
STATE TOTAL	1	29,625	
AUSTRALIA			
PARKVILLE			
UNIVERSITY OF MELBOURNE			
CB63992-00	MILLER, J F	TRANSFER FACTOR AND DELAYED HYPERSENSITIVITY IN MOUSE	42,335
INSTITUTION TOTAL	1	42,335	
CITY TOTAL	1	42,335	
STATE TOTAL	1	42,335	
FRANCE			
PARIS			
INSTITUTE OF LIFE			
CP61030-00	MAROIS, MAURICE	CONFERENCE: BIRTH DEFECTS-DETECTION AND PREVENTION	30,000
INSTITUTION TOTAL	1	30,000	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	3	136,013		
VIRGINIA				
GREAT FALLS				
BAKER HISTOLOGY LABORATORY				
CB33863-00	BAKER, CHARLES C		SUPPORT FOR TISSUE LIBRARY	104,100
INSTITUTION TOTAL	1	104,100		
CITY TOTAL	1	104,100		
RICHMOND				
VIRGINIA COMMONWEALTH UNIVERSITY				
HV52914-00	RICHARDSON, DAVID W		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	49,353
INSTITUTION TOTAL	1	49,353		
CITY TOTAL	1	49,353		
SPRINGFIELD				
REVLON, INC.--MELOY LABORATORIES				
CB63932-00	KORTRIGHT, KEN		RADIOIMMUNOASSAY OF IMMUNOGLOBULIN MOLECULES	84,792
CP43207-00	VERNA, JOHN E		SPONTANEOUS AND VIRUS-INDUCED NEOPLASTIC TRANSFORMATION	1,008,373
INSTITUTION TOTAL	2	1,093,165		
CITY TOTAL	2	1,093,165		
STATE TOTAL	4	1,246,618		
WASHINGTON				
SEATTLE				
UNIVERSITY OF WASHINGTON				
HV52922-00	HOOVER, J JOANNE		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	43,339
ES42151-00	NUTE, PETER E		PREPARATION OF ANTISERA	57,122
INSTITUTION TOTAL	2	100,461		
CITY TOTAL	2	100,461		
WALLA WALLA				
ST. MARY COMMUNITY HOSPITAL				
CN65292-00	CONNELL, ROBERT M		CLINICAL ONCOLOGY PROGRAM	69,531
INSTITUTION TOTAL	1	69,531		
CITY TOTAL	1	69,531		

RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
IM64703-00	HAMILTON, VIRGINIA V	PREPARATION OF A BIOGRAPHIC MONOGRAPH	51,452
INSTITUTION TOTAL	1	51,452	
CITY TOTAL	1	51,452	
STATE TOTAL	1	51,452	
ARKANSAS			
LITTLE ROCK			
UNIVERSITY OF ARKANSAS MEDICAL SCIENCES CAMPUS			
IM54709-00	PAULY, JOHN E	INSTRUCTIONAL MEDIATED COURSE IN GROSS ANATOMY	111,634
INSTITUTION TOTAL	1	111,634	
CITY TOTAL	1	111,634	
STATE TOTAL	1	111,634	
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
HD62825-00	DAVIS, KINGSLEY	STUDY OF CHILDLESSNESS AND ONE-CHILD FAMILIES	61,764
INSTITUTION TOTAL	1	61,764	
WRIGHT INSTITUTE			
HD22706-00	FREEDMAN, MERVIN	ATTITUDES OF COLLEGE WOMEN TO MARRIAGE AND CHILDREN	15,466
INSTITUTION TOTAL	1	15,466	
CITY TOTAL	2	77,230	
EL MONTE			
AKZONA, INC.--ORGANON, INC.			
GM32104-00	TENOSA, HAROLD J	DEVELOPMENT OF A LATEX AGGLUTINATION TECHNIQUE	260,156
INSTITUTION TOTAL	1	260,156	
GENERAL TIRE AND RUBBER COMPANY--AEROJET-GENERAL CORPORATION			
AM22205-00	MARTIN, FRED E	PRODUCTION OF CELLULOSE ACETATE MEMBRANES	34,897
INSTITUTION TOTAL	1	34,897	
CITY TOTAL	2	295,053	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
UNITED KINGDOM			
BRISTOL			
UNIVERSITY OF BRISTOL			
HD09457-01	PURVES, MICHAEL J	THE CONTROL OF BREATHING BEFORE AND AFTER BIRTH	75,177
CA19167-01	SALMON, PAUL R	LAPAROSCOPY IN THE DIAGNOSIS OF PANCREATIC CANCER	19,075
INSTITUTION TOTAL	2	94,252	
CITY TOTAL	2	94,252	
STATE TOTAL	2	94,252	
TOTAL	518	23,036,437	

* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	56,292	
CALIFORNIA			
SAN FRANCISCO			
INSTITUTES OF MEDICAL SCIENCES			
HV33101-00	WILLIAMS, G Z	SUPPORT FOR CENTRAL LABORATORY	333,417
INSTITUTION TOTAL	1	333,417	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
AM52204-00	ARIEFF, ALLEN I	ABNORMALITIES OF NERVOUS SYSTEM FUNCTION IN UREMIA	47,878
INSTITUTION TOTAL	1	47,878	
CITY TOTAL	2	381,295	
SANTA MONICA			
RAND CORPORATION			
RR52111-00	GRONER, GABRIEL F	PROTOTYPE CLINICAL RESEARCH DATA	635,790
INSTITUTION TOTAL	1	635,790	
SPECTRAVISION, INC.			
LM34705-00	ANGENSTEIN, B W	EVALUATION OF BIOMEDICAL COMMUNICATIONS NETWORK	93,124
INSTITUTION TOTAL	1	93,124	
CITY TOTAL	2	728,914	
STATE TOTAL	18	3,258,813	
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
CP43238-00	RUDDLE, FRANK H	SUPPLY OF HAPLOID AND PARTIAL MONOSOMIC CELL LINES	99,500
INSTITUTION TOTAL	1	99,500	
CITY TOTAL	1	99,500	
NEWTOWN			
E. I. DU PONT DE NEMOURS AND COMPANY--BIOMEDICAL DIVISION			
AI32513-00	FILZ, CHARLES J	STUDY OF GLYCOLIPID FRACTION	39,676
INSTITUTION TOTAL	1	39,676	
CITY TOTAL	1	39,676	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA				
LOS ANGELES				
HEALTH SCIENCES COMMUNICATIONS ASSOCIATION				
IM64710-00	TO BE APPOINTED		20 SELF-INSTRUCTIONAL UNITS IN BIOMEDICAL COMMUNICATION	10,000
INSTITUTION TOTAL	1	10,000		
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES				
AM32207-00	GROSSMAN, MORTON I		EVALUATION OF RESEARCH NEEDS IN DIGESTIVE DISEASES	92,000
INSTITUTION TOTAL	1	92,000		
UNIVERSITY OF SOUTHERN CALIFORNIA				
HR62910-00	SOBIN, S S		FIBROPROTEIN NETWORKS OF THE PULMONARY ALVEOLAR WALL	96,730
INSTITUTION TOTAL	1	96,730		
WHITTAKER CORPORATION				
NS22302-00	BUTERBAUGH, NOEL L		PRODUCTION OF CELL CULTURES	38,885
CM67069-00	PARKER, JOHN		OPERATION OF AN ANIMAL VIROLOGICAL DIAGNOSTIC LABORATORY	175,800
CB43915-00	TRAPANI, ROBERT J		MAINTENANCE OF HISTOCOMPATABILITY-TYPING CENTER	196,000
CP53519-00	VERNON, MINA LEE		TYPE-C RNA TUMOR VIRUSES DIAGNOSTIC TESTING	825,917
INSTITUTION TOTAL	4	1,236,602		
CITY TOTAL	7	1,435,332		
MENLO PARK				
STANFORD RESEARCH INSTITUTE				
CO65222-00	KREBS, JOHN S		CANCER INFORMATION DISSEMINATION	198,733
INSTITUTION TOTAL	1	198,733		
CITY TOTAL	1	198,733		
OAKLAND				
KAISER FOUNDATION HOSPITALS--KAISER FOUNDATION RESEARCH INSTITUTE				
AM62201-00	FRIEDMAN, G D		DETERMINE RENAL DISEASE PREVALENCE AND RISK FACTORS	85,964
INSTITUTION TOTAL	1	85,964		
CITY TOTAL	1	85,964		
PALO ALTO				
PALO ALTO MEDICAL RESEARCH FOUNDATION				
HV52911-00	LEWIS, BERNARD I		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	56,292
INSTITUTION TOTAL	1	56,292		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
DIST OF COL			
WASHINGTON			
NATIONAL ACADEMY OF SCIENCES			
LM64714-00	TO BE APPOINTED	ADVISORY SERVICE TO NLM TOXICOLOGY INFORMATION PROGRAM	34,600
INSTITUTION TOTAL	3	99,600	
RESOURCES FOR THE FUTURE			
HD42805-00	RIDKER, RONALD G	STUDY OF CONSEQUENCES OF POPULATION CHANGE	283,126
INSTITUTION TOTAL	1	283,126	
TELE SEC			
LM64713-00	NOT APPLICABLE	CODING BACKLOG OF CATALOGUE MATERIAL	33,248
LM64716-00	NOT APPLICABLE	MAINTENANCE OF NLM'S NAME-TITLE CARD CATALOG	21,244
INSTITUTION TOTAL	2	54,492	
URBAN INSTITUTE			
HD42807-00	BERGSMAN, JOEL	POPULATION STUDIES IN METROPOLITAN AREAS	177,206
INSTITUTION TOTAL	1	177,206	
WASHINGTON HOSPITAL CENTER			
CM43710-00	REBA, RICHARD C	RADIOISOTOPE LABELING OF BLEOMYCIN	26,885
INSTITUTION TOTAL	1	26,885	
CITY TOTAL	18	1,255,902	
STATE TOTAL	18	1,255,902	
FLORIDA			
JACKSONVILLE			
ST. VINCENT'S MEDICAL CENTER			
CN55210-00	MC CLOW, MARVIN V	BREAST CANCER DETECTION DEMONSTRATION PROJECT	177,000
INSTITUTION TOTAL	1	177,000	
CITY TOTAL	1	177,000	
MIAMI BEACH			
MOUNT SINAI MEDICAL CENTER			
HV52933-00	BERNSTEIN, WILLIAM H	CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	46,252
INSTITUTION TOTAL	1	46,252	
CITY TOTAL	1	46,252	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	2	139,176	
DELAWARE			
WILMINGTON			
WILMINGTON MEDICAL CENTER			
CN45047-00	WHITNEY, LESLIE W	SCREENING FOR DETECTION OF BREAST CANCER	130,652
INSTITUTION TOTAL	1	130,652	
CITY TOTAL	1	130,652	
STATE TOTAL	1	130,652	
DIST OF COL			
WASHINGTON			
AMERICAN INSTITUTES FOR RESEARCH			
CN55070-00	RUDOV, MELVIN H	ATTITUDE TOWARD EMPLOYMENT OF WORK-ABLE CANCER PATIENTS	149,027
INSTITUTION TOTAL	1	149,027	
COURTESY ASSOCIATES			
CP65725-00	STAMPFLI, SHELIA	TRANSPLACENTAL CARCINOGENESIS AND PEDIATRIC NEOPLASMS	34,810
CP65750-00	STAMPFLI, SHELIA	PROGRAM REVIEW MEETING	1,544
CP65767-00	TO BE APPOINTED	BASIC ORDERING AGREEMENT	5,495
CP65774-00	TO BE APPOINTED	COURSE PREVIEW WORKSHOP	3,295
CP65773-00	TO BE APPOINTED	WORKSHOP ON PROMOTIONAL CARCINOGENESIS	2,135
INSTITUTION TOTAL	5	47,279	
GEORGE WASHINGTON UNIVERSITY			
CB64022-00	HOLLINSHEAD, ARIEL C	PURIFICATION OF ANTIGENS; PREPARATION OF ANTIBODIES	161,094
IM64719-00	MATHESON, NINA	ESTABLISHMENT OF REGION IV JOURNAL CLEARINGHOUSE	23,146
HV52941-00	RIOS, JORGE	ECG CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	71,128
INSTITUTION TOTAL	3	255,368	
HERNER & COMPANY			
CM43720-00	LEYMAN, EDWARD	CANCER THERAPY ABSTRACTS	162,919
INSTITUTION TOTAL	1	162,919	
NATIONAL ACADEMY OF SCIENCES			
AM52201-00	SHEPPARD, HARVEY E	PARTIAL SUPPORT: VTH INTERNATIONAL BIOPHYSICS CONGRESS	5,000
HD52818-00	SIMOPOULOS, ARTEMIS P	RESEARCH IN MATERNAL AND CHILD HEALTH	60,000

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
ILLINOIS				
CHICAGO				
AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS				
CN65238-00	GALL, EDWARD		PLANNING FOR CANCER CONTROL PATHOLOGY REFERENCE CENTERS	229,785
INSTITUTION TOTAL	1	229,785		
ST. JOSEPH HOSPITAL				
HV52927-00	BERKSON, DAVID M		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	43,821
INSTITUTION TOTAL	1	43,821		
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER				
CM67090-00	FARNESWORTH, NORMAN R		ISOLATION OF ANTINEOPLASTIC AGENTS FROM PLANTS	104,495
INSTITUTION TOTAL	1	104,495		
CITY TOTAL	3	378,101		
EVANSTON				
EVANSTON HOSPITAL				
HV52935-00	KILLIP, THOMAS		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	39,449
INSTITUTION TOTAL	1	39,449		
CITY TOTAL	1	39,449		
JOLIET				
AMERICAN ASSOCIATION FOR LABORATORY ANIMAL SCIENCE				
RR52114-00	GARVEY, JOSEPH J		ACCREDITATION PROGRAM FOR LABORATORY ANIMAL CARE	5,000
INSTITUTION TOTAL	1	5,000		
CITY TOTAL	1	5,000		
SPRINGFIELD				
ILLINOIS DEPARTMENT OF PUBLIC HEALTH				
CN55082-00	FRANCIS, BYRON J		A STATE CERVICAL CANCER SCREENING PROGRAM	209,059
INSTITUTION TOTAL	1	209,059		
CITY TOTAL	1	209,059		
STATE TOTAL	6	631,609		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
FLORIDA			
TALLAHASSEE			
STATE UNIVERSITY OF FLORIDA SYSTEM--FLORIDA STATE UNIVERSITY			
ES52113-00	WINCHESTER, JOHN W	RESPIRATORY IRRITANT ASSOCIATED RED TIDES	13,348
INSTITUTION TOTAL	1	13,348	
CITY TOTAL	1	13,348	
STATE TOTAL	3	236,600	
GEORGIA			
ATLANTA			
EMORY UNIVERSITY			
CP61027-00	HUGULEY, CHARLES M	METROPOLITAN ATLANTA SEER PROGRAM	193,621
HV52917-00	SCHLANT, ROBERT C	CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	48,391
INSTITUTION TOTAL	2	242,012	
CITY TOTAL	2	242,012	
STATE TOTAL	2	242,012	
HAWAII			
HONOLULU			
PACIFIC HEALTH RESEARCH INSTITUTE			
CN45046-00	GILBERT, FRED I, JR	SCREENING FOR DETECTION OF BREAST CANCER	128,340
HV52936-00	MC NAMARA, JOSEPH J	CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	52,497
INSTITUTION TOTAL	2	180,837	
CITY TOTAL	2	180,837	
STATE TOTAL	2	180,837	
IDAHO			
BOISE			
ST. LUKE'S HOSPITAL			
CN55189-00	DAWSON, JOHN J	PSYCHOSOCIAL PROBLEMS, REHABILITATION OF CANCER PATIENTS	123,681
INSTITUTION TOTAL	1	123,681	
CITY TOTAL	1	123,681	
STATE TOTAL	1	123,681	

RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
MARYLAND				
BETHESDA				
INTERNATIONAL BUSINESS MACHINES CORPORATION				
LM44702-00	NOT APPLICABLE		SYSTEMS ENGINEERING SERVICES	30,200
LM64709-00	NOT APPLICABLE		TO PROVIDE NLM SYSTEMS ENGINEERING SUPPORT	7,900
INSTITUTION TOTAL	2	38,100		
CITY TOTAL	2	38,100		
CHEVY CHASE				
UNIVERSITY RESEARCH CORPORATION				
CN55087-00	STEINBERG, S		ATTITUDE TOWARD EMPLOYMENT OF WORK-ABLE CANCER PATIENTS	272,946
INSTITUTION TOTAL	1	272,946		
CITY TOTAL	1	272,946		
GAITHERSBURG				
GEOMET, INC.				
HR12432-00	HENDERSON, ROBERT		SYSTEMS ANALYSIS STUDY FOR RESPIRATORY DEVICES	98,250
INSTITUTION TOTAL	1	98,250		
CITY TOTAL	1	98,250		
ROCKVILLE				
AMERICAN TYPE CULTURE COLLECTION				
CP65751-00	HAY, ROBERT		CELLS FROM DUCTAL AND EXOCRINE PORTION OF THE PANCREAS	71,244
HR62914-00	HAY, ROBERT		DEVELOP CELL STRAINS FROM HUMAN AND GUINEA PIG LUNGS	62,500
INSTITUTION TOTAL	2	133,744		
E G & G, INC.--MASON RESEARCH INSTITUTE				
CP33254-00	LAKE, WILLIAM		COMPUTING SUPPORT FOR THE THIRD NATIONAL CANCER SURVEY	145,259
INSTITUTION TOTAL	1	145,259		
HEM RESEARCH, INC.				
CM67066-00	WHITMAN, JAMES E		SUPPLY PRIMATE RNA TUMOR VIRUSES & VIRUS-INFECTED CELLS	113,357
INSTITUTION TOTAL	1	113,357		
TOUSIMIS RESEARCH CORPORATION				
AM32202-00	TOUSIMIS, A J		EVALUATION OF ELECTRON MICROSCOPY OF TISSUE SPECIMENS	30,000
INSTITUTION TOTAL	1	30,000		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INDIANA			
INDIANAPOLIS			
METHODIST HOSPITAL OF INDIANA			
CN65336-00	DUGAN, WILLIAM M, JR	CLINICAL ONCOLOGY PROGRAM	71,447
INSTITUTION TOTAL	1	71,447	
CITY TOTAL	1	71,447	
STATE TOTAL	1	71,447	
KANSAS			
MANHATTAN			
KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE			
HD62830-00	FLORA, CORNELIA B	STRENGTH OF MOTIVATION FOR FERTILITY CONTROL	40,359
INSTITUTION TOTAL	1	40,359	
CITY TOTAL	1	40,359	
STATE TOTAL	1	40,359	
LOUISIANA			
NEW IBERIA			
GULF SOUTH RESEARCH INSTITUTE--ATCHAFALAYA BASIN LABORATORIES			
RS32106-00	GREER, WILLIAM	SUPPORT FOR MONKEY-BREEDING COLONY	14,027
INSTITUTION TOTAL	1	14,027	
CITY TOTAL	1	14,027	
STATE TOTAL	1	14,027	
MARYLAND			
BALTIMORE			
IPCO HOSPITAL SUPPLY CORPORATION--COMMUNITY BLOOD AND PLASMA SERVICES DIVISION			
CI42150-00	BERISH, A P	SUPPLY OF PLATELETHERESIS	520,585
INSTITUTION TOTAL	1	520,585	
JOHNS HOPKINS UNIVERSITY			
CP61023-00	STOLLEY, PAUL B	EPIDEMIOLOGIC STUDIES OF DRUG INDUCED CANCER	144,000
CP65768-00	STRANDBERG, JOHN	ANIMAL PATHOLOGY SUPPORT	130,000
INSTITUTION TOTAL	2	274,000	
CITY TOTAL	3	794,585	

RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
MASSACHUSETTS				
CAMBRIDGE				
COMPUTEK, INC.				
RR32103-00	GOLD, MICHAEL R		TERMINALS FOR COMPUTER PROGRAM	29,330
INSTITUTION TOTAL	1	29,330		
KOCH INDUSTRIES--ABCOR, INC.				
HB42925-00	COOPER, WILLIAM W		STUDY OF CLINICAL SAFETY OF FROZEN-THAWED RED CELLS	62,388
HD12227-00	NUWAYSER, ELIE S		DEVELOPMENT OF NEW STERILIZATION TECHNIQUES	344,847
INSTITUTION TOTAL	2	407,235		
CITY TOTAL	7	1,522,272		
METHUEN				
BON SECOURS HOSPITAL				
CN65198-00	ENJY, JACT T		CLINICAL ONCOLOGY PROGRAM	71,688
INSTITUTION TOTAL	1	71,688		
CITY TOTAL	1	71,688		
STATE TOTAL	12	2,290,823		
MICHIGAN				
ANN ARBOR				
UNIVERSITY OF MICHIGAN				
HV52913-00	SCHOCH, HENRY K		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	25,816
CA23216-00	VOORHEES, JOHN J		PURIFICATION OF EPIDERMAL CHALONE	88,039
INSTITUTION TOTAL	2	113,855		
CITY TOTAL	2	113,855		
DETROIT				
HENRY FORD HOSPITAL				
HV52925-00	GOLDSTEIN, SIDNEY		CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	62,907
INSTITUTION TOTAL	1	62,907		
MICHIGAN CANCER FOUNDATION				
CP33226-00	BRENNAN, MICHAEL J		INELASTIC LASER LIGHT-SCATTERING STUDIES	241,920
INSTITUTION TOTAL	1	241,920		
CITY TOTAL	2	304,827		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	5	422,360	
STATE TOTAL	12	1,626,241	
MASSACHUSETTS			
BOSTON			
BOSTON HEALTH AND HOSPITALS DEPARTMENT			
HV52937-00	HOOD, WILLIAM B, JR	CLINICAL CENTER FOR ASPIRIN-MYOCARDIAL INFARCTION STUDY	57,913
INSTITUTION TOTAL	1	57,913	
BOSTON UNIVERSITY			
GM42148-00	JICK, HERSCHEL	COLLABORATIVE DRUG SURVEILLANCE PROGRAM	519,500
INSTITUTION TOTAL	1	519,500	
CHILDREN'S HOSPITAL MEDICAL CENTER			
CP61036-00	VAWTER, GORDON F	SUPPLY OF PEDIATRIC ONCOLOGY SPECIMENS	25,240
INSTITUTION TOTAL	1	25,240	
SIDNEY FARBER CANCER CENTER			
CM53839-00	FREI, EMIL, III	PHASE I STUDIES OF NEW ANTICANCER AGENTS	94,210
INSTITUTION TOTAL	1	94,210	
CITY TOTAL	4	696,863	
CAMBRIDGE			
ABT ASSOCIATES, INC.			
CN65216-00	VANDERSCHMIDT, G F	MEASUREMENT OF THE COST OF CANCER CARE	357,579
INSTITUTION TOTAL	1	357,579	
ARTHUR D. LITTLE, INC.			
CM67078-00	BROOME, MILDRED G	SCREENING OF NEW MATERIALS FOR CYTOTOXICITY	210,267
CM67047-00	ROHOVSKY, MICHAEL W	CHEMOTHERAPY OF CENTRAL NERVOUS SYSTEM SOLID TUMORS	118,916
INSTITUTION TOTAL	2	329,183	
BOLT BERANEK AND NEWMAN			
RR42147-00	CASTLEMAN, PAUL A	DEVELOPMENT OF SOFTWARE FOR DATA-PROCESSING PROGRAMS	398,945
INSTITUTION TOTAL	1	398,945	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	30,000	
STATE TOTAL	1	30,000	
ISRAEL			
REHOVOTH			
WEIZMANN INSTITUTE OF SCIENCE			
HB52907-00	SILBERBERG, ALEXANDER	STUDIES ON INTERACTIONS OF PLATELETS WITH COLLAGENS	72,600
INSTITUTION TOTAL	1	72,600	
CITY TOTAL	1	72,600	
TEL AVIV			
TEL AVIV UNIVERSITY			
CP23237-00	KEYDAR, JAFA	ISOLATION OF B-TYPE PARTICLES FROM HUMAN MILK	57,800
INSTITUTION TOTAL	1	57,800	
CITY TOTAL	1	57,800	
STATE TOTAL	2	130,400	
ITALY			
MILAN			
MARIO NEGRI INSTITUTE FOR PHARMACOLOGICAL RESEARCH			
CM33720-00	GARATTINI, SILVIO	COLLECTION AND SCREENING OF ANTINEOPLASTIC AGENTS	124,192
INSTITUTION TOTAL	1	124,192	
CITY TOTAL	1	124,192	
STATE TOTAL	1	124,192	
NETHERLANDS			
RIJSWIJK			
NETHERLANDS CENTRAL ORGANIZATION TNO			
CM53763-00	VAN PUTTEN, L M	COMBINATION OF RADIATION AND CHEMOTHERAPY	57,023
INSTITUTION TOTAL	1	57,023	
CITY TOTAL	1	57,023	
STATE TOTAL	1	57,023	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
SWEDEN			
GOTHENBURG			
GOTHENBURG UNIVERSITY			
AM62200-00	HYDEN, HOLGER N	COMPACT LOW-VOLUME SELF-REGENERATING ARTIFICIAL KIDNEY	38,744
INSTITUTION TOTAL	1		38,744
CITY TOTAL	1		38,744
STATE TOTAL	1		38,744
TOTAL	158		18,480,331

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
CA09189-01	FREIREICH, EMIL J	CLINICAL PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS	206,258
INSTITUTION TOTAL	1	206,258	
CITY TOTAL	1	206,258	
STATE TOTAL	1	206,258	
TOTAL	1	206,258	

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA			
TW00071-01	OLSON, MERLE S	ENZYME/METABOLISM BIOCHEMISTRY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
HD05169-01	LIVSON, FLORINE B	DEVELOPMENTAL PSYCHOLOGY	F32
GM05521-01	MILLER, MARVIN J	MEDICINAL/PHARMACEUTICAL CHEMISTRY	F32
GM05542-01	TROPP, JAMES S	MOLECULAR STRUCTURE	F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
RR05003-01	SESLINE, DAVID H	VETERINARY PATHOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
HL05268-01	FULCHER, CAROL A	ENZYME/METABOLISM BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
HL05279-01	BOUMA, HESSEL, III	PROTEIN/AMINO ACID BIOCHEMISTRY	F32
EY05116-01	FROME, FRANCINE S	RECEPTOR AND EFFECTOR PROCESSES	F32
GM05676-01	HAURY, JOHN F	EXCITATION THEORY	F32
HD05224-01A1	JOHNSON, JAMES D	CELL BIOLOGY	F32
GM05518-01	KNAPP, GAYLE	NUCLEIC ACID BIOCHEMISTRY	F32
HD05292-01	MERRITT, THURMAN A	PEDIATRIC PULMONARY DISEASE	F32
HD05312-01	SCHWARTZ, MARCIA F	GENETICS	F32
GM05493-01	SIEGEL, JACQUELINE G	GENETICS	F32
INSTITUTION TOTAL	8		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	9		
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
NS05361-01	CARRILLO, ALBERTO J	ENDOCRINE PHYSIOLOGY	F32
HL05280-01	LAIS, LYMAN T	PHARMACOLOGY	F32
NS05354-01	MONSELL, EDWIN M	NEUROANATOMY	F32
HD05299-01	NUCCITELLI, RICHARD L	CELL BIOLOGY	F32
INSTITUTION TOTAL	4		
CITY TOTAL	4		
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
GM05481-01	ANGERER, LYNNE M	GENETICS	F32
GM05621-01	HIRSH, JAY	CELL BIOLOGY	F32
GM05559-01	KABACK, DAVID B	CELL BIOLOGY	F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
AM05414-01	BREWER, L EILEEN	RENAL DISEASES	F32
HD05269-01	DIAMOND, KATHLEEN E	GENETICS	F32
AM05407-01	ERMAK, THOMAS H	CELL BIOLOGY	F32
HL05260-01	FERGUSON, EVAN R	CARDIOVASCULAR DISEASES	F32
HL05290-01	SANDERS, RICHARD A	CARDIOVASCULAR DISEASES	F32
INSTITUTION TOTAL	5		
CITY TOTAL	5		
SANTA BARBARA			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SANTA BARBARA			
GM05610-01	CHINAULT, ALAN C	NUCLEIC ACID BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA			
STANFORD			
STANFORD UNIVERSITY			
NS05351-01	DARLING, THOMAS L	BIOCHEMISTRY	F32
NS05338-01	ISHII, DOUGLAS N	BIOCHEMISTRY	F32
GM05539-01	SNYDER, GRAYSON H	NUCLEIC ACID BIOCHEMISTRY	F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	29		
COLORADO			
BOULDER			
UNIVERSITY OF COLORADO			
GM05613-01	CARTER, DAVID P	CELL BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
GM05531-01	LYDERSEN, BJORN K	MOLECULAR STRUCTURE	F32
HL05291-01	MILLER, PAUL D	CARDIOVASCULAR DISEASES	F32
INSTITUTION TOTAL	2		
UNIVERSITY OF DENVER			
HD05247-01	PLATT, BRUCE B	PERCEPTION	F32
INSTITUTION TOTAL	1		
VETERANS ADMINISTRATION HOSPITAL			
NS05323-01	SIEGEL, DOROTHY C	NEUROLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	4		
STATE TOTAL	5		
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
GM05514-01	ENOCH, HARRY G	ENZYME/METABOLISM BIOCHEMISTRY	F32

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INSTITUTION TOTAL	1		
CITY TOTAL	1		
CONNECTICUT			
NEW HAVEN			
JOHN B. PIERCE FOUNDATION OF CONNECTICUT			
HL05261-01	BRINK, CHARLES E	PULMONARY DISEASES	F32
INSTITUTION TOTAL	1		
YALE UNIVERSITY			
HL05282-01	GROSS, KENNETH B	PHARMACOLOGY	F32
GM05599-01	MORGAN, SUSAN D	HUMAN GENETICS	F32
GM05682-01	OSBER, MICHAEL P	MEDICINAL/PHARMACEUTICAL CHEMISTRY	F32
INSTITUTION TOTAL	3		
CITY TOTAL	4		
STORRS			
UNIVERSITY OF CONNECTICUT			
NS05382-01	TUTTLE, JEREMY B	BIOLOGY	F32
GM05495-01	WARNER, CYNTHIA K	GENETICS	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	7		
GEORGIA			
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA			
DE05065-01	MERTZ-FAIRHURST, EVA J	PREVENTIVE DENTISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA			
HD05248-01	TULLIS, RICHARD H	DEVELOPMENTAL BIOLOGY	F32

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
ILLINOIS			
CARBONDALE			
SOUTHERN ILLINOIS UNIVERSITY			
EY05114-01	MC DOWELL, JAMES H	BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
CHICAGO			
NORTHWESTERN UNIVERSITY			
GM05658-01	LAND, PAUL C	PHARMACOLOGY	F32
DE05062-01	VAIDYANATHAN, TRITALA K	DENTAL MATERIALS	F32
INSTITUTION TOTAL	2		
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER			
GM05527-01	YASNOFF, WILLIAM A	MEDICAL INSTRUMENTATION ENGINEERING	F32
INSTITUTION TOTAL	1		
UNIVERSITY OF CHICAGO			
GM05516-01	ARMSTRONG, RICHARD N	ENZYME/METABOLISM BIOCHEMISTRY	F32
DE05069-01	HELMI, CYRUS	CLEFT PALATE	F32
INSTITUTION TOTAL	2		
CITY TOTAL	5		
STATE TOTAL	6		
INDIANA			
BLOOMINGTON			
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT BLOOMINGTON			
HL05277-01	HAMILTON, JAMES A	FAT AND LIPID BIOCHEMISTRY	F32
GM05608-01	SCHNEEMAN, RICHARD W	CELL BIOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INDIANA			
INDIANAPOLIS			
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS			
DE05068-01	COTTONE, JAMES A	ONCOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
MARYLAND			
BALTIMORE			
CARNEGIE INSTITUTION OF WASHINGTON, D. C.			
GM05615-01	BOTCHAN, PETER M	CELL BIOLOGY	F32
INSTITUTION TOTAL	1		
JOHNS HOPKINS UNIVERSITY			
HL05262-01	COHEN, HOWARD A	THORACIC SURGERY	F32
GM05561-01	FIELDS, JOHN R	CELL BIOLOGY	F32
HD05146-01	MACKALL, JULIA C	ENZYME/METABOLISM BIOCHEMISTRY	F32
HL05304-01	MIED, PAUI A	HEMATOLOGY	F32
HL05298-01	SHAKIR, MOHAMED K	ENZYME/METABOLISM BIOCHEMISTRY	F32
INSTITUTION TOTAL	5		
CITY TOTAL	6		
BETHESDA			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH			
HD05143-01	CONN, PAUL M	REPRODUCTIVE PHYSIOLOGY	F32
HL05281-01	HARRISON, STEADMAN D, JR	PHARMACOLOGY	F32
TW00170-01	HORWITZ, ABRAHAM	PUBLIC HEALTH ADMINISTRATION	F15
TW00169-01	HOTCHKISS, ROLLIN D	BIOCHEMICAL AND MOLECULAR GENETICS	F15
NS05416-01	LAMPERT, ARTHUR M	NEUROLOGY	F32
DE05064-01	RUDA, MARYANN T	ANESTHESIOLOGY IN DENTISTRY	F32
INSTITUTION TOTAL	6		
CITY TOTAL	6		
STATE TOTAL	12		
MASSACHUSETTS			
AMHERST			
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS AT AMHERST			
HD05310-01	STUART, ELIZABETH S	BIOCHEMISTRY	F32

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INSTITUTION TOTAL	1		
CITY TOTAL	1		
MASSACHUSETTS			
BOSTON			
BOSTON HEALTH AND HOSPITALS DEPARTMENT--BOSTON CITY HOSPITAL			
GM05483-01	CHEUNG, SAU W	GENETICS	F32
INSTITUTION TOTAL	1		
FORSYTH DENTAL CENTER			
DE05075-01	EASTCOTT, ANDREW D	PERIODONTIA	F32
INSTITUTION TOTAL	1		
HARVARD UNIVERSITY			
GM05632-01	LANGLEY, KEITH E	FAT AND LIPID BIOCHEMISTRY	F32
NS05353-01	MORRIS, DEBORAH G	NEURO/MUSCULAR PHYSIOLOGY	F32
HD05201-01	POWERS, ROBERT D	REPRODUCTIVE PHYSIOLOGY	F32
GM05501-01	SCHNEIDER, JEANETTE E	CARBOHYDRATE BIOCHEMISTRY	F32
GM05540-01	STANISLOWSKI, ANNA G	ENZYME/METABOLISM BIOCHEMISTRY	F32
INSTITUTION TOTAL	5		
CITY TOTAL	7		
CAMBRIDGE			
HARVARD UNIVERSITY			
HD05184-01	BECKENDORF, STEVEN K	DEVELOPMENTAL BIOLOGY	F32
HL05284-01	BENNETT, GEORGE V	CELL BIOLOGY	F32
GM05508-01	CANTLEY, LEWIS C, JR	ENZYME/METABOLISM BIOCHEMISTRY	F32
GM05652-01	CORCORAN, RICHARD J	PHYSICAL CHEMISTRY	F32
AM05312-01	JACOBSON, BRUCE S	MOLECULAR BIOLOGY	F32
GM05598-01	ROSS, MICHAEL J	NUCLEIC ACID BIOCHEMISTRY	F32
GM05670-01	WOOLEY, JOHN C	CELL BIOLOGY	F32
INSTITUTION TOTAL	7		
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
NS05319-01	MUELLER, GREGORY P	ENDOCRINE PHYSIOLOGY	F32
GM05628-01	RHEINWALD, JAMES G	CELL BIOLOGY	F32
GM05525-01	SHERFINSKI, JAMES S	ATOMIC STRUCTURE	F32
NS05345-01	WOOD, JOHN E	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	4		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	11		
MASSACHUSETTS			
WALTHAM			
BRANDEIS UNIVERSITY			
GM05535-01	MAKOWSKI, LEE	MEMBRANE TRANSPORT	F32
HD05313-01	WOOLFORD, JOHN L, JR	CELL BIOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	21		
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
GM05630-01	ANTANAITIS, BRADLEY C	PHYSICAL BIOCHEMISTRY	F32
DE05010-01A1	DRINKARD, CAROL	CELL BIOLOGY	F32
HL05293-01	MOLL, PATRICIA A	METABOLIC DISEASES	F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		
EAST LANSING			
MICHIGAN STATE UNIVERSITY			
GM05639-01	NILSON, JOHN H	CELL BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	4		
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
HL05258-01	GRIMM, RICHARD H, JR	CARDIOVASCULAR DISEASES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MINNESOTA			
ROCHESTER			
MAYO FOUNDATION			
HD05137-01	MILLER, JOSEPHINE B	REPRODUCTIVE PHYSIOLOGY	F32
GM05496-01	WEBSTER, ROBERT A	ENDOCRINE PHYSIOLOGY	F32
INSTITUTION TOTAL	2		
MAYO FOUNDATION--MAYO MEDICAL SCHOOL			
HL05270-01	WISGERHOF, MAX V	CARDIOVASCULAR DISEASES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	3		
STATE TOTAL	4		
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA			
RR05001-01	KINKLER, ROWLAND J, JR	VETERINARY MICROBIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NEW JERSEY			
NEWARK			
RUTGERS UNIVERSITY			
HD05177-01	RUSH, JANE E	PSYCHOLOGY OF CHILDHOOD AND ADOLESCENCE	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PRINCETON			
PRINCETON UNIVERSITY			
GM05595-01	HANSEN, ROBERT T	MEDICINAL/PHARMACEUTICAL CHEMISTRY	F32
GM05541-01	STEIN, PAUL B	PHYSICAL BIOCHEMISTRY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	3		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NEW YORK			
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
GM05626-01	COMPTON, JOHN L	CELL BIOLOGY	F32
INSTITUTION TOTAL	1		
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
GM05653-01	CROW, JAMES W	PHARMACY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
ITHACA			
CORNELL UNIVERSITY			
GM05511-01	CAMPBELL, ROBERT F	MEMBRANE TRANSPORT	F32
NS05389-01	FINE, MICHAEL L	NEURO/MUSCULAR PHYSIOLOGY	F32
GM05633-01	HICKS, JAMES B	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		
NEW YORK			
COLUMBIA UNIVERSITY			
GM05510-01	CLARK, ROBIN D	ORGANIC SYNTHESIS	F32
GM05692-01	FARNETH, WILLIAM E	MEMBRANE TRANSPORT	F32
HL05303-01	GREENLEE, WILLIAM J	ORGANIC CHEMISTRY	F32
HL05297-01	RICHMAN, JEFFREY E	ORGANIC SYNTHESIS	F32
INSTITUTION TOTAL	4		
CORNELL UNIVERSITY MEDICAL CENTER			
HL05299-01	MC VIE, ROBERT	PEDIATRIC ENDOCRINOLOGY	F32
GM05492-01	SCHLANGER, GLADYS	GENETICS	F32
INSTITUTION TOTAL	2		
NEW YORK UNIVERSITY			
GM05507-01	COLLINS, MARY L	MEMBRANE TRANSPORT	F32
INSTITUTION TOTAL	1		
ROCKEFELLER UNIVERSITY			
NS05384-01	GINZBERG, ROSEMARY A	CELL BIOLOGY	F32

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NEW YORK			
NEW YORK			
ROCKEFELLER UNIVERSITY			
GM05554-01	LEVINE, MAURA R	CELL BIOLOGY	F32
INSTITUTION TOTAL	2		
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
GM05645-01	YU, LOH-CHUNG	CYTOGENETICS	F32
INSTITUTION TOTAL	1		
STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER			
TW00069-01	HERMAN, LAWRENCE	MOLECULAR BIOLOGY	F06
INSTITUTION TOTAL	1		
YESHIVA UNIVERSITY			
GM05620-01	KRANTZ, LINDA J	NUCLEIC ACID BIOCHEMISTRY	F32
GM05667-01	TUSHINSKI, ROBERT J	CELL BIOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	13		
SYRACUSE			
STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER			
HL05287-01	TOMPKINS, JAN E	PHARMACOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
TROY			
RENSSELAER POLYTECHNIC INSTITUTE			
DE05076-01	RODBELL, DONALD S	BIOMEDICAL ENGINEERING	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
UPTON			
ASSOCIATED UNIVERSITIES--BROOKHAVEN NATIONAL LABORATORY			
GM05643-01	ROTHMAN, ROBERT H	RADIATION GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
STATE TOTAL	21		
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
HD05211-01	FURLANETTO, RICHARD W	ENDOCRINOLOGY	F32
HL05289-01	LEVINE, STEVEN N	PHARMACOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
DURHAM			
DUKE UNIVERSITY			
HL05305-01	PANDOLFELLI, EMILIA R	PHOTOACTIVATION	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
CHIO			
CINCINNATI			
UNIVERSITY OF CINCINNATI			
TW00051-01	KEITH, ROBERT W	AUDIOLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
PENNSYLVANIA			
PHILADELPHIA			
DREXEL UNIVERSITY			
HL05264-01	MEIER, GEORGE D	CARDIOVASCULAR DISEASES	F32
INSTITUTION TOTAL	1		
INSTITUTE FOR CANCER RESEARCH			
GM05609-01	SANFILIPPO, DONALD	GENETICS	F32
GM05499-01	WIMMER, MARY J	ENZYME/METABOLISM BIOCHEMISTRY	F32
INSTITUTION TOTAL	2		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
EY05020-01A1	PARKES, JOHN H	PHYSIOLOGICAL/CLINICAL BIOCHEMISTRY	F32
INSTITUTION TOTAL 1			
CITY TOTAL 4			
PITTSBURGH			
UNIVERSITY OF PITTSBURGH			
GM05557-01	KIFRAS, RITA M	CELL BIOLOGY	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 5			
TEXAS			
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
HD05303-01	PARMELY, MICHAEL J	IMMUNOLOGY	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
HD05230-01	MC REYNOLDS, LARRY A	GENETICS	F32
HD05129-01	TOWLE, HOWARD C	REPRODUCTIVE PHYSIOLOGY	F32
HD05148-01	VEDECKIS, WAYNE V	HORMONE/VITAMIN BIOCHEMISTRY	F32
INSTITUTION TOTAL 3			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
DE05072-01	MAILMAN, MARY L	ORAL PATHOLOGY	F32
HL05266-01	MUELLER, WILLIAM H	CARDIOVASCULAR DISEASES	F32
INSTITUTION TOTAL 2			
CITY TOTAL 5			
STATE TOTAL 6			

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
GM05546-01	HAMILL, WILLIAM D, JR	ATOMIC STRUCTURE	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
VIRGINIA			
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
AM05227-01	ANDERSON, JAMES H, JR	ENDOCRINOLOGY	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
GM05681-01	CHOU, CHUNG-KWANG	RADIOBIOLOGY	F32
GM05485-01	DAIGER, STEPHEN P	HUMAN GENETICS	F32
HD05182-01	HAYNIE, JOHN L	DEVELOPMENTAL BIOLOGY	F32
GM05522-01	MONTGOMERY, DONNA L	GENETICS	F32
HL05296-01	VERDERY, RCY B, III	METABOLIC DISEASES	F32
INSTITUTION TOTAL 5			
CITY TOTAL 5			
STATE TOTAL 5			
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
GM05526-01	TIMKO, JOSEPH M	ORGANIC SYNTHESIS	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
AUSTRALIA			
CANBERRA			
AUSTRALIAN NATIONAL UNIVERSITY			
EY05117-01	DOTY, ROBERT W, JR	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
CANADA			
TORONTO			
UNIVERSITY OF TORONTO			
NS05400-01	HAY, THOMAS F	NEUROANATOMY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
GERMANY FED R			
BOCHUM			
UNIVERSITY OF THE RUHR			
HL05276-01	MUELLER, JEAN V	PULMONARY DISEASES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
SWEDEN			
GOTHENBURG			
GOTHENBURG UNIVERSITY			
HD05314-01	EMERY, DONNA E	PERCEPTION	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STOCKHOLM			
CAROLINE INSTITUTE			
GM05657-01	LAMB, MARY M	CELL BIOLOGY	F32
INSTITUTION TOTAL	1		

NIH
RESEARCH FELLOWSHIP AWARDS

PPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	1		
STATE TOTAL	2		
WITZERLAND			
ASEL			
NIVERSITY OF BASEL			
M05512-01	BROWN, MICHAEL F	ENZYME/METABOLISM BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
ZURICH			
UNIVERSITY OF ZURICH			
GM05552-01	PALMENBERG, ANN C	CELL BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
UNITED KINGDOM			
CAMBRIDGE			
MEDICAL RESEARCH COUNCIL--LABORATORY OF MOLECULAR BIOLOGY			
GM05560-01	JACKSON, VAUGHN E	CELL BIOLOGY	F32
INSTITUTION TOTAL	1		
UNIVERSITY OF CAMBRIDGE			
NS05409-01	RUBINSON, KENNETH A	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
EDINBURGH			
UNIVERSITY OF EDINBURGH			
GM05619-01	LINN, THOMAS G	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
UNITED KINGDOM			
LONDON			
UNIVERSITY OF LONDON			
GM05558-01	KLUKAS, CAROL K	CELL BIOLOGY	F32

INSTITUTION TOTAL	1
CITY TOTAL	1
STATE TOTAL	4
TOTAL	153

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
CALIFORNIA			
IRVINE			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE			
NS00146-01	WHITE, STEPHEN H	MODEL STUDIES OF MYELIN STABILITY	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
HL00192-01	GRIFFIN, JOHN H	BIOCHEMISTRY AND REGULATION OF HUMAN FACTOR XII	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 2			
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
HD00128-01	MURPHY, ROBERT C	APPLICATION OF MASS SPECTROMETRY TO BIOMEDICAL RESEARCH	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
FLORIDA			
GAINESVILLE			
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA			
DE00030-01	BIRDSELL, DALE C	PATHOGENICITY OF BACTERIAL TEICHOIC ACIDS	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
HL00196-01	ARNSDORF, MORTON F	ELECTROPHARMACOLOGY OF ANTIARRHYTHMIC DRUGS	K04

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
HL00208-01	GUNN, ROBERT B	MOLECULAR MECHANISMS OF ION TRANSPORT IN HUMAN RBC	K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
KANSAS			
LAWRENCE			
UNIVERSITY OF KANSAS			
DE00028-01	CRAWFORD, MICHAEL H	DENTITION GENETIC ANALYSES OF ESKIMOS AND MEXICANS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
DE00021-01	LEVIN, LESLIE S	LINKAGE AND HERITABLE DISORDERS OF CONNECTIVE TISSUE	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MASSACHUSETTS			
BOSTON			
BOSTON UNIVERSITY			
NS00161-01	BERMAN, MARLENE O	NORMAL AND PATHOLOGICAL HUMAN BRAIN FUNCTION	K04
INSTITUTION TOTAL	1		
FORSYTH DENTAL CENTER			
DE00018-01	SKOBE, ZIEDONIS	ULTRASTRUCTURE OF AMELOGENESIS & ODONTOPATHIC BACTERIA	K04
INSTITUTION TOTAL	1		

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
AM00195-01	CAREY, MARTIN C	ALIMENTARY TRACT LIPIDS IN HEALTH AND DISEASE	K04
NS00155-01	COHEN, JONATHAN B	MECHANISM OF CHOLINERGIC POSTSYNAPTIC RESPONSE	K04
DE00010-01A1	GETTLEMAN, LAWRENCE	DEVELOPMENT OF IMPROVED CROWN AND BRIDGE RESTORATIONS	K04
INSTITUTION TOTAL	3		
CITY TOTAL	5		
STATE TOTAL	5		
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
AI00167-01	HOWARD, RICHARD J	VIRUS-IMMUNE INTERACTION IN MICE & TRANSPLANT PATIENTS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NEW YORK			
NEW YORK			
YESHIVA UNIVERSITY			
AM00190-01	RUBIN, CHARLES S	CYCLIC AMP AND PROTEIN KINASES IN CELL REGULATION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
HL00207-01	PIMMEL, RUSSELL L	ANALYSIS OF RESPIRATORY MECHANICS AND SOUNDS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
DURHAM			
DUKE UNIVERSITY			
DE00027-01	HYLANDER, WILLIAM L	BIOMECHANICS OF THE PRIMATE CRANIOFACIAL REGION	K04

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
HD00137-01	BULLOCK, LESLIE P	ANIMAL MODELS OF GENETIC REPRODUCTIVE ABNORMALITIES	K04
HL00204-01	MC CALLISTER, LAWRENCE P	ULTRASTRUCTURAL CORRELATES OF MYOCARDIAL ISCHEMIA	K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
NS00151-01	KIM, SEUNG U	EXPERIMENTAL NEUROPATHOLOGY IN TISSUE CULTURE	K04
DE00025-01	MILLER, MICHAEL F	ORAL DISEASE LONGITUDINAL STUDY/RECURRENT APHTHOUS ULCER	K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	4		
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
HL00181-01	HARTLEY, CRAIG J	CARDIOVASCULAR APPLICATIONS: PULSED DOPPLER TECHNIQUES	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
HL00140-01	VAUGHAN, DARRACOTT, JR	DES-ASP1-ANGIOTENSIN II: FORMATION AND ACTION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
STATE TOTAL	1		
WASHINGTON			
PULLMAN			
WASHINGTON STATE UNIVERSITY			
RR00003-01	PRIEUR, DAVID J	CHARACTERIZATION OF NEW GENETIC ANIMAL DISEASE MODELS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	24		

NIH
CONSTRUCTION GRANTS

GRANT NUMBER	RESPONSIBLE OFFICIAL	PURPOSE OF GRANT	DOLLARS AWARDED
NEW YORK			
NEW YORK			
ROCKEFELLER UNIVERSITY			
CA18115-01	DARNELL, JAMES E, JR	CANCER RESEARCH FACILITY	89,526
INSTITUTION TOTAL	1	89,526	
CITY TOTAL	1	89,526	
STATE TOTAL	1	89,526	
TOTAL	1	89,526	

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
LM02593-01	DARLING, LOUISE	COMPONENT 3 TECHNICAL PROCESSING/ACQUISITIONS/COMPLETION	47,641
INSTITUTION TOTAL	1	47,641	
CITY TOTAL	1	47,641	
STATE TOTAL	1	47,641	
TOTAL	1	47,641	

NIH LIBRARY

DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD. 20014

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REPORT 19M

U. S. NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

SEPTEMBER and OCTOBER 1976

US DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service

PREPARED BY

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

STATISTICS AND ANALYSIS BRANCH

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1976
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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AG NATIONAL INSTITUTE ON AGING
AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES
CA NATIONAL CANCER INSTITUTE

- CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS
- CM DIVISION OF CANCER TREATMENT
- CN DIVISION OF CANCER CONTROL AND REHABILITATION
- CP DIVISION OF CANCER CAUSE AND PREVENTION

DE NATIONAL INSTITUTE OF DENTAL RESEARCH
EY NATIONAL EYE INSTITUTE
GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HL NATIONAL HEART, LUNG, AND BLOOD INSTITUTE

- HB DIVISION OF BLOOD DISEASES AND RESOURCES
- HV DIVISION OF HEART AND VASCULAR DISEASES

LM NATIONAL LIBRARY OF MEDICINE
NS NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
OD OFFICE OF THE DIRECTOR, NIH
RR DIVISION OF RESEARCH RESOURCES
TW FOGARTY INTERNATIONAL CENTER

GRANTS AND AWARDS ANNOUNCED DURING SEPTEMBER AND OCTOBER, 1976

I/D	RESEARCH GRANTS*		RESEARCH CAREER PROGRAM AWARDS		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS		OTHER AWARDS	
	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
AG	3	332,570							5	57,000						
AI	25	988,729	2	45,934	8	1,007,525			5	56,400						
AM	6	190,951			6	2,147,068	1	38,833								
CA	10	770,341							18	202,700						
CB					4	203,168										
CM					15	3,569,030										
CN					6	2,612,186										
CP					42	5,035,568										
DE	1	23,150			4	246,103			2	23,000						
EY	5	161,362	1	25,000												
GM	10	483,133	5	110,932												
HB					5	655,642										
HD	26	1,249,546			7	596,232	1	78,761	2	24,700						
HL	22	1,666,574					1	62,860	3	35,000						
HV					1	106,214										
IM					16	889,393										
NS					9	846,292			27	292,500						
OD					1	59,895										
RR					1	198,166										
TW									4	53,311						
	108	5,866,356	8	181,866	125	18,172,482	3	180,454	66	744,611						

*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ARIZONA			
TEMPE			
ARIZONA STATE UNIVERSITY			
HD09157-01A2	GOLDSTEIN, ELLIOTT S	CONTROL OF MRNA USAGE DURING DROSOPHILA DEVELOPMENT	26,526
INSTITUTION TOTAL	1	26,526	
CITY TOTAL	1	26,526	
STATE TOTAL	1	26,526	
CALIFORNIA			
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
HD10233-01	CRAMER, JAMES C	FERTILITY AND FAMILY INCOME IN THE UNITED STATES	6,016
INSTITUTION TOTAL	1	6,016	
CITY TOTAL	1	6,016	
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
AI14099-01	ESSER, ALFRED F	INTERACTION OF COMPLEMENT PROTEINS WITH MEMBRANES	34,549
AI13010-01	GOTZE, OTTO	ACTIVATION AND CONTROL OF PROPERDIN SYSTEM PROTEINS	52,049
HL20517-01	VANDERLAAN, WILLARD P	DIABETES, SOMATOTROPIN, FACTOR VIII & ATHEROSCLEROSIS	102,130
INSTITUTION TOTAL	3	188,728	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
HD10038-01	JONES, KENNETH L	GENETIC DWARFS: A STUDY OF CELLULAR GROWTH DEFECTS	37,475
AI14090-01	MELISH, MARIAN E	HOST RESPONSE TO STAPHYLOCOCCAL EPIDERMOLYTIC TOXIN	40,113
AI13008-01	SIMON, MELVIN I	BACTERIAL MOTILITY: MECHANISM & ROLE IN INFECTION	33,732
HL20420-01	ZWEIFACH, BENJAMIN W	MICROCIRCULATION OF PATIENTS WITH DIABETES MELLITUS	64,844
INSTITUTION TOTAL	4	176,164	
CITY TOTAL	7	364,892	
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
AM18988-01	CLARKE, IAN C	FRICTION AND WEAR OF PROSTHETIC BEARING MATERIALS	53,274
HD09948-01	LENGYEL, JUDITH A	TRANSCRIPTION IN DROSOPHILA CULTURED CELLS AND EMBRYOS	9,455
INSTITUTION TOTAL	2	62,729	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF SOUTHERN CALIFORNIA			
EY01545-01	RYAN, STEPHEN J	AN EXPERIMENTAL APPROACH TO MACULOPATHY	67,613
INSTITUTION TOTAL	1	67,613	
CITY TOTAL	3	130,342	
PALO ALTO			
AMERICAN INSTITUTES FOR RESEARCH			
HD10684-01	CARD, JOSEFINA J	CROSS-CULTURAL STUDY OF FERTILITY CONTROL MOTIVATION	33,324
INSTITUTION TOTAL	1	33,324	
CITY TOTAL	1	33,324	
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
GM24033-01	BLAISDELL, F WILLIAM	INTRAVASCULAR COAGULATION IN THE BURN PATIENT	67,173
GM24023-01	FAIRLEY, H B	ACUTE PULMONARY FAILURE: MECHANISMS MANAGEMENT	86,175
INSTITUTION TOTAL	2	153,348	
CITY TOTAL	2	153,348	
TORRANCE			
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL			
HD09913-01	ZAMBONI, LUCIANO	EXPERIMENTAL STUDIES ON INITIATION OF OVA DEVELOPMENT	33,312
INSTITUTION TOTAL	1	33,312	
CITY TOTAL	1	33,312	
STATE TOTAL	15	721,234	
COLORADO			
DENVER			
NATIONAL ASTHMA CENTER			
AI13474-01	VAZ, NELSON M	ORALLY-INDUCED IMMUNOLOGIC TOLERANCE TO PROTEINS	64,548
INSTITUTION TOTAL	1	64,548	
NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER			
AM18484-01A1	HOLLISTER, J ROGER	RECOVERY OF ANTIGENS IN ANIMAL AND HUMAN ARTHRITIS	24,120
INSTITUTION TOTAL	1	24,120	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
HL20429-01	REEVES, JOHN T	STUDY OF EFFECTS OF DIABETES REACTIVITY	36,076
INSTITUTION TOTAL	1	36,076	
CITY TOTAL	3	124,744	
FORT COLLINS			
COLORADO STATE UNIVERSITY			
AM18275-01A1	SUTHERLAND, THOMAS M	DEVELOPMENT OF ADIPOSE CELLS AND TISSUE IN OBESITY	33,719
INSTITUTION TOTAL	1	33,719	
CITY TOTAL	1	33,719	
STATE TOTAL	4	158,463	
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
HL20401-01	DOWNING, S EVANS	RELATIONSHIP OF INSULIN TO CATECHOL CARDIOMYOPATHY	56,690
HD10235-01	HUSZAR, GABOR B	STRUCTURE OF MYOSIN IN NORMAL AND PREGNANT UTERUS	56,097
HD10192-01	ROONEY, SEAMUS A	EFFECT OF HORMONES ON LUNG PHOSPHOLIPID BIOSYNTHESIS	64,714
INSTITUTION TOTAL	3	177,501	
CITY TOTAL	3	177,501	
STATE TOTAL	3	177,501	
DIST OF COL			
WASHINGTON			
U.S. DEPARTMENT OF THE ARMY--WALTER REED ARMY MEDICAL CENTER			
AI14107-01	HOLMES, RANDALL K	CONTROL OF BACTERIAL TOXINS BY VIRUSES AND PLASMIDS	14,400
INSTITUTION TOTAL	1	14,400	
CITY TOTAL	1	14,400	
STATE TOTAL	1	14,400	
FLORIDA			
MIAMI			
UNIVERSITY OF MIAMI			
CA19182-01	YUNIS, ADEL A	PANCREATIC CARCINOMA IN CONTINUOUS CULTURE	50,744

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	50,744	
CITY TOTAL	1	50,744	
FLORIDA			
SAINT PETERSBURG			
LIFE SCIENCES, INC.			
CA21665-01	NONOYAMA, MEIHAN	ONCOGENICITY OF EPSTEIN-BARR VIRUS	54,917
INSTITUTION TOTAL	1	54,917	
CITY TOTAL	1	54,917	
STATE TOTAL	2	105,661	
GEORGIA			
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA			
HD08910-01A2	BHALLA, VINOD K	INTERACTION OF GONADOTROPIN WITH TESTIS	41,646
INSTITUTION TOTAL	1	41,646	
CITY TOTAL	1	41,646	
STATE TOTAL	1	41,646	
HAWAII			
HONOLULU			
EAST-WEST CENTER			
HD09972-01	KUNSTADTER, PETER	HEALTH CONSEQUENCES OF FERTILITY OF THAI URBAN POOR	41,273
INSTITUTION TOTAL	1	41,273	
CITY TOTAL	1	41,273	
STATE TOTAL	1	41,273	
IDAHO			
MOSCOW			
UNIVERSITY OF IDAHO			
AI12826-01A1	RENSHAW, HARLAND W	INTRANEUTROPHILIC MICROBICIDAL DEFECTS	18,552
INSTITUTION TOTAL	1	18,552	
CITY TOTAL	1	18,552	
STATE TOTAL	1	18,552	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
CHICAGO			
NORTHWESTERN UNIVERSITY			
HL18004-01A1	GHOSH, SANTIBRATA	TRANSPORT THROUGH ARTERIAL WALL: BIOPHYSICAL ASPECTS	21,791
HL16419-01A2	GHOSH, SANTIBRATA	ARTERIAL UPTAKE OF LIPOPROTEIN: KINETIC ANALYSIS	29,950
INSTITUTION TOTAL	2	51,741	
UNIVERSITY OF CHICAGO			
AG00123-01	NEUGARTEN, BERNICE L	ADULT LIVES AND PATTERNS OF AGING IN AN URBAN SETTING	157,207
INSTITUTION TOTAL	1	157,207	
CITY TOTAL	3	208,948	
EVANSTON			
NORTHWESTERN UNIVERSITY			
EY01596-01	BLAKE, RANDOLPH	PSYCHOPHYSICAL STUDIES OF SPATIAL VISION	4,732
INSTITUTION TOTAL	1	4,732	
CITY TOTAL	1	4,732	
STATE TOTAL	4	213,680	
INDIANA			
INDIANAPOLIS			
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS			
AI13586-01	BOXER, LAURENCE A	THE MECHANICS OF MOVEMENT IN THE LEUKOCYTE	49,226
AM18701-01	LINDSETH, RICHARD E	A DYNAMIC ORTHOTIC DEVICE TO ASSIST PELVIC EXTENSION	33,167
INSTITUTION TOTAL	2	82,393	
CITY TOTAL	2	82,393	
MUNCIE			
BALL STATE UNIVERSITY			
HL20408-01	COSTILL, DAVID L	HYPERLIPIDEMIA IN DIABETICS DURING MUSCULAR TRAINING	35,108
INSTITUTION TOTAL	1	35,108	
CITY TOTAL	1	35,108	
STATE TOTAL	3	117,501	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
AI13627-01A1	MYERS, MARTIN G	PATHOPHYSIOLOGY OF MALIGNANT VARICELLA INFECTION	23,956
AI13562-01	STINSKI, MARK F	CYTOMEGALOVIRUS REPLICATION	38,308
INSTITUTION TOTAL	2	62,264	
CITY TOTAL	2	62,264	
STATE TOTAL	2	62,264	
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS			
AI13177-01	ARNOLD, WILFRED N	CELL ENVELOPES OF PATHOGENIC YEASTS	30,324
HD10139-01	HUNG, KUEN-SHAN	DEVELOPMENT OF PULMONARY INNERVATION	15,980
INSTITUTION TOTAL	2	46,304	
CITY TOTAL	2	46,304	
STATE TOTAL	2	46,304	
KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY			
HL20630-01	COLE, JAMES S	DEVELOPMENT OF A PULSED DOPPLER VELOCITY DETECTOR	36,884
INSTITUTION TOTAL	1	36,884	
CITY TOTAL	1	36,884	
STATE TOTAL	1	36,884	
LOUISIANA			
COVINGTON			
TULANE UNIVERSITY			
AI13555-01	LOWRIE, ROBERT C, JR	ARTHROPOD VECTORS OF FILARIAE	12,870
INSTITUTION TOTAL	1	12,870	
CITY TOTAL	1	12,870	
STATE TOTAL	1	12,870	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
HD10111-01	GRAHAM, GEORGE G	ROLE OF STAPLE FOODS IN INFANT NUTRITION	85,346
HL20455-01	PATZ, ARNALL	ROLE OF SYSTEMIC HYPERTENSION OF DIABETES RETINOPATHY	70,738
INSTITUTION TOTAL	2	156,084	
CITY TOTAL	2	156,084	
COLLEGE PARK			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS			
AI13233-01	YORKE, JAMES A	MODELING THE EPIDEMIOLOGY AND CONTROL OF GONORRHEA	9,267
INSTITUTION TOTAL	1	9,267	
CITY TOTAL	1	9,267	
STATE TOTAL	3	165,351	
MASSACHUSETTS			
BOSTON			
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL			
HL20895-01	ABRAMS, HERBERT L	CINEANGIOGRAPHIC STUDIES OF THE CARDIOVASCULAR SYSTEM	101,893
INSTITUTION TOTAL	1	101,893	
BOSTON UNIVERSITY			
CA19135-01	COOPERBAND, SIDNEY R	MULTIDISCIPLINARY CANCER CENTER: CORE GRANT	155,343
GM23871-01	HECHTMAN, HERBERT B	CARDIOPULMONARY FAILURE FOLLOWING SHOCK AND TRAUMA	107,980
EY01636-01	LAING, RONALD A	OBJECTIVE FOCUSING FUNDUS CAMERA	21,701
HL20535-01	O'SULLIVAN, JOHN B	CARDIOVASCULAR DISEASE AND EVOLVING DIABETES MELLITUS	158,352
CA18226-01	WOTIZ, HERBERT H	ETIOLOGIC AND PROGNOSTIC FACTORS IN BREAST CANCER	161,630
INSTITUTION TOTAL	5	605,006	
CHILDREN'S HOSPITAL MEDICAL CENTER			
HL20539-01	GABBAY, KENNETH H	BLOOD GLUCOSE, HGB A1C, AND DIABETIC VASCULAR DISEASE	165,226
INSTITUTION TOTAL	1	165,226	
CITY TOTAL	7	872,125	
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY			
HD10206-01	DAVIS, BRIAN K	SYNTHETIC AND NATURAL ANTIFERTILIZATION VESICLES	65,900
INSTITUTION TOTAL	1	65,900	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	65,900	
MASSACHUSETTS			
WORCESTER			
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL			
HL20476-01	MILLER, THOMAS B, JR	EFFECTS OF DIABETES ON CARDIAC PERFORMANCE	50,268
INSTITUTION TOTAL	1	50,268	
CITY TOTAL	1	50,268	
STATE TOTAL	9	988,293	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
HL20508-01	OSTRANDER, LEON D, JR	DIABETES, HYPERGLYCEMIA AND CARDIOVASCULAR DISEASE	218,494
HD09957-01	SIMMONS, GEORGE B	MORTALITY AND FERTILITY IN UTTAR PRADESH, INDIA	40,571
HL20399-01	SPARKS, HARVEY V	VASCULAR CONTROL IN EXPERIMENTAL DIABETES MELLITUS	53,191
INSTITUTION TOTAL	3	312,256	
CITY TOTAL	3	312,256	
EAST LANSING			
MICHIGAN STATE UNIVERSITY			
HD10123-01	CONVEY, EDWARD M	CONTROL OF BOVINE LUTEINIZING HORMONE SECRETION	47,250
HD10689-01	KALLEN, DAVID J	FACTORS INFLUENCING CONTRACEPTIVE USE	116,962
EY01574-01	MC CONNELL, DAVID G	STUDIES OF RETINAL ROD CYCLIC GMP PHOSPHODIESTERASE	28,056
INSTITUTION TOTAL	3	192,268	
CITY TOTAL	3	192,268	
STATE TOTAL	6	504,524	
MINNESOTA			
ROCHESTER			
MAYO FOUNDATION			
CA20247-01	HAHN, RICHARD G	CHEMOTHERAPY OF METASTATIC BLADDER AND KIDNEY CANCER	52,315
HL20522-01	PALUMBO, PASQUALE J	PERIPHERAL ARTERIAL DISEASE IN THE DIABETIC	240,020
INSTITUTION TOTAL	2	292,335	
CITY TOTAL	2	292,335	
STATE TOTAL	2	292,335	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MISSISSIPPI			
JACKSON			
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER			
AI13356-01	OELSHLEGEL, FRED J, JR	BIOCHEMISTRY OF MALARIA HOST-PARASITE INTERACTIONS	47,757
INSTITUTION TOTAL	1	47,757	
CITY TOTAL	1	47,757	
STATE TOTAL	1	47,757	
MISSOURI			
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
AI13219-01	GELB, LAWRENCE D	THE MOLECULAR BIOLOGY OF THE VARICELLA-ZOSTER VIRUS	31,014
AI13414-01	KINSKY, STEPHEN C	IMMUNOGENICITY OF LIPOSOMES	74,940
AM18698-01	MC KEEL, DANIEL W, JR	ADENOHYPOPHYSIAL HORMONE STORAGE AND SECRETION	23,424
INSTITUTION TOTAL	3	129,378	
CITY TOTAL	3	129,378	
STATE TOTAL	3	129,378	
NEW JERSEY			
LIVINGSTON			
ST. BARNABAS MEDICAL CENTER			
DE04317-01	COLLITO, MICHAEL B	OROFACIAL GROWTH IN DIFFERENTLY TREATED CLP PATIENTS	23,150
INSTITUTION TOTAL	1	23,150	
CITY TOTAL	1	23,150	
STATE TOTAL	1	23,150	
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
HD10214-01	EVAN, ANDREW P	RENAL PAH TRANSPORT DURING DEVELOPMENT	27,579
HD09475-01A1	RATNER, ALBERT	ADRENERGIC CONTROL OF OVARIAN STEROIDOGENESIS	34,790
INSTITUTION TOTAL	2	62,369	
CITY TOTAL	2	62,369	
STATE TOTAL	2	62,369	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF HEALTH			
HD10319-01	KIM, CARL S	MOLECULAR BASIS OF BILIRUBIN TOXICITY	20,000
INSTITUTION TOTAL	1	20,000	
STATE UNIVERSITY OF NEW YORK AT ALBANY			
GM24030-01	LERMAN, LEONARD S	REGULATION AND CHARACTERIZATION OF THE HUMAN GENOME	55,146
INSTITUTION TOTAL	1	55,146	
UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE			
GM22825-01	TURINSKY, JIRI	THE MECHANISM OF INSULIN RESISTANCE AFTER BURNS	29,516
INSTITUTION TOTAL	1	29,516	
CITY TOTAL	3	104,662	
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
GM22490-01	KARTHA, GOPINATH	CYCLIC PEPTIDES, STRUCTURE AND FUNCTION	36,280
AI13453-01	PIERUCCI, OLGA	THE CELL DIVISION CYCLE OF GRAM-POSITIVE BACILLI	41,286
AI12933-01	SULKOWSKI, EUGENE	AFFINITY CHROMATOGRAPHY OF HUMAN INTERFERON	36,200
INSTITUTION TOTAL	3	113,766	
CITY TOTAL	3	113,766	
NEW YORK			
COLUMBIA UNIVERSITY			
HD10037-01	JAGIELLO, GEORGIANA M	CYTOGENETICS OF FEMALE MAMMALIAN MEIOSIS	77,672
AG00654-01	LITWAK, EUGENE	RETIREMENT, MIGRANTS & TASKS OF ORGANIZATIONS & FAMILY	117,333
INSTITUTION TOTAL	2	195,005	
CORNELL UNIVERSITY MEDICAL CENTER			
HL20488-01	SAUDEK, CHRISTOPHER D	CHOLESTEROL METABOLISM IN DIABETIC MAN	65,163
INSTITUTION TOTAL	1	65,163	
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES			
CA20280-01	WHITMORE, WILLET F, JR	CHEMOTHERAPY OF ADVANCED UROTHELIAL CANCER	80,800
INSTITUTION TOTAL	1	80,800	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
MONTEFIORE HOSPITAL AND MEDICAL CENTER			
AI13138-01	NEHLSEN, SANDRA L	IMMUNOREGULATION THROUGH MODIFICATION OF AMINO GROUPS	41,315
INSTITUTION TOTAL 1		41,315	
NEW YORK BOTANICAL GARDEN			
AI13247-01	CAPPY, SUSAN T	BIOLOGICALLY ACTIVE METABOLITES FROM PYRENOMYCETES	42,228
AI13074-01	NAIR, RAMACHANDRAN M	NEW MOLD PRODUCTS: CHEMISTRY AND BIOLOGICAL ACTIVITY	36,980
INSTITUTION TOTAL 2		79,208	
NEW YORK UNIVERSITY			
EY02007-01	BAKER, ROBERT G	EYE MOVEMENT: PHYSIOLOGICAL ORGANIZATION	39,260
HD10309-01	FREEDMAN, LEWIS S	NEONATAL UNDERNUTRITION, BIOGENIC AMINES AND STRESS	37,477
AI12948-01	VILCEK, JAN T	CHARACTERIZATION OF HUMAN INTERFERONS	51,022
INSTITUTION TOTAL 3		127,759	
POPULATION COUNCIL			
HD10931-01	WILLIAMSON, NANCY E	EVALUATION OF A SEX PRE-SELECTION CLINIC IN SINGAPORE	10,860
INSTITUTION TOTAL 1		10,860	
ROCKEFELLER UNIVERSITY			
HL20520-01	CERAMI, ANTHONY	PROTEIN MODIFICATION: KEY TO DIABETIC SEQUELAE	44,250
INSTITUTION TOTAL 1		44,250	
UNITED ENGINEERING TRUSTEES			
GM23354-01	MULLANEY, PAUL F	FIFTH ENGINEERING CONFERENCE ON AUTOMATED CYTOLOGY	14,825
INSTITUTION TOTAL 1		14,825	
CITY TOTAL 13		659,185	
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK			
HL19278-01	COLLER, BARRY S	RISTOCETIN INDUCED PLATELET AGGREGATION	34,604
INSTITUTION TOTAL 1		34,604	
CITY TOTAL 1		34,604	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
SYRACUSE			
SYRACUSE UNIVERSITY			
GM23228-01	SLEPECKY, RALPH A	ASYMMETRIC AND SYMMETRIC DIVISION IN DIFFERENTIATION	31,030
INSTITUTION TOTAL	1	31,030	
CITY TOTAL	1	31,030	
STATE TOTAL	21	943,247	
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
AI13088-01	MITCHELL, THOMAS G	PATHOGENICITY OF CRYPTOCOCCOSIS	41,319
INSTITUTION TOTAL	1	41,319	
CITY TOTAL	1	41,319	
STATE TOTAL	1	41,319	
OHIO			
TOLEDO			
MEDICAL COLLEGE OF OHIO AT TOLEDO			
HD10107-01	CHAKRABORTY, JYOTSNA	NUCLEOTIDE CYCLASE ACTIVITY IN HUMAN AND MOUSE TESTES	26,273
INSTITUTION TOTAL	1	26,273	
CITY TOTAL	1	26,273	
STATE TOTAL	1	26,273	
OKLAHOMA			
OKLAHOMA CITY			
OKLAHOMA MEDICAL RESEARCH FOUNDATION			
GM23661-01	TANG, JORDAN J	ACID PROTEASES, STRUCTURE-FUNCTION AND BIOLOGY	5,000
INSTITUTION TOTAL	1	5,000	
CITY TOTAL	1	5,000	
STATE TOTAL	1	5,000	
OREGON			
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
HL20393-01	KOLER, ROBERT D	POSTSYNTHETIC MODIFICATIONS OF HEMOGLOBIN IN DIABETICS	22,500

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	22,500	
CITY TOTAL	1	22,500	
STATE TOTAL	1	22,500	
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
HL20484-01	NEELY, JAMES R	EFFECTS OF DIABETES ON CARDIAC FUNCTION AND METABOLISM	34,084
INSTITUTION TOTAL	1	34,084	
CITY TOTAL	1	34,084	
PHILADELPHIA			
HAHNEMANN MEDICAL COLLEGE AND HOSPITAL OF PHILADELPHIA			
GM22849-01	ALTEVEER, ROBERT J	METABOLISM OF SPLANCHNIC TISSUES DURING ENDOTOXIC SHOCK	50,008
INSTITUTION TOTAL	1	50,008	
CITY TOTAL	1	50,008	
UNIVERSITY PARK			
PENNSYLVANIA STATE UNIVERSITY			
AG00403-01	BALTES, PAUL B	COGNITIVE DEVELOPMENT AND MODIFIABILITY IN ADULTHOOD	58,030
INSTITUTION TOTAL	1	58,030	
CITY TOTAL	1	58,030	
STATE TOTAL	3	142,122	
RHODE ISLAND			
PROVIDENCE			
BROWN UNIVERSITY			
HD10091-01	POTTER, ROBERT G	MOMENTUM OF GROWTH IN HUMAN POPULATIONS	26,047
INSTITUTION TOTAL	1	26,047	
CITY TOTAL	1	26,047	
STATE TOTAL	1	26,047	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
HD10132-01	ONDO, JEROME G	AMINO ACID NEUROTRANSMITTERS AND REPRODUCTION	28,354
INSTITUTION TOTAL	1	28,354	
CITY TOTAL	1	28,354	
STATE TOTAL	1	28,354	
TENNESSEE			
MEMPHIS			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES			
CA20216-01A1	O'TOOLE, CAROL M	IDENTIFICATION OF ANTIGENS SPECIFIC TO BLADDER CANCER	114,886
INSTITUTION TOTAL	1	114,886	
CITY TOTAL	1	114,886	
STATE TOTAL	1	114,886	
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
HL19459-01	POWNALL, HENRY J	DYNAMICS OF ATHEROGENESIS AND LIPOPROTEIN FORMATION	24,318
INSTITUTION TOTAL	1	24,318	
CITY TOTAL	1	24,318	
STATE TOTAL	1	24,318	
VIRGINIA			
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
HD10291-01	NANCE, WALTER E	HUMAN TWIN PANEL STUDY	238,647
INSTITUTION TOTAL	1	238,647	
CITY TOTAL	1	238,647	
STATE TOTAL	1	238,647	
WASHINGTON			
ISSAQUAH			
ISSAQUAH GROUP FOR HEALTH AND ENVIRONMENTAL RESEARCH			
AI14102-01	STUART, KENNETH D	MITOCHONDRIAL DNA OF NORMAL AND MUTANT TRYPANOSOMES	31,325

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	31,325	
CITY TOTAL	1	31,325	
STATE TOTAL	1	31,325	
WISCONSIN			
MARSHFIELD			
MARSHFIELD MEDICAL FOUNDATION			
CA18728-01	GREENLAW, ROBERT H	EXPLORATORY STUDIES IN CANCER RESEARCH	49,881
INSTITUTION TOTAL	1	49,881	
CITY TOTAL	1	49,881	
MILWAUKEE			
MOUNT SINAI MEDICAL CENTER			
CA21652-01	DEE, THOMAS H	EARLY DIAGNOSIS OF CANDIDIASIS IN COMPROMISED HOSTS	16,625
INSTITUTION TOTAL	1	16,625	
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MILWAUKEE			
AM19232-01	BROYLES, ROBERT H	DIFFERENTIATION OF RED BLOOD CELLS IN VITRO	23,247
INSTITUTION TOTAL	1	23,247	
CITY TOTAL	2	39,872	
STATE TOTAL	3	89,753	
CANADA			
LONDON			
UNIVERSITY OF WESTERN ONTARIO			
AI13395-01	DALES, SAMUEL	ALTERATIONS OF NUCLEOPROTEINS AND MEMBRANES	91,449
INSTITUTION TOTAL	1	91,449	
CITY TOTAL	1	91,449	
STATE TOTAL	1	91,449	
UNITED KINGDOM			
LONDON			
UNIVERSITY OF LONDON			
CA19821-01	CARTER, NICHOLAS D	GENETIC ISOLATES WITH HIGH INCIDENCE OF LYMPHOMA	33,200
INSTITUTION TOTAL	1	33,200	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1		33,200
STATE TOTAL	1		33,200
TOTAL	108		5,866,356

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ALASKA			
COLLEGE			
UNIVERSITY OF ALASKA SYSTEM--UNIVERSITY OF ALASKA			
LM64742-00	TISDEL, MYRON	DEVELOP AND SUPPORT AN EARTH TERMINAL FACILITY	18,405
INSTITUTION TOTAL	1	18,405	
CITY TOTAL	1	18,405	
STATE TOTAL	1	18,405	
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
HD62857-00	DAVIS, KINGSLEY	STUDY OF MOTHER'S AGE & CIRCUMSTANCES EFFECT ON CHILDREN	74,445
INSTITUTION TOTAL	1	74,445	
CITY TOTAL	1	74,445	
CLAREMONT			
CLAREMONT COLLEGES SYSTEM--POMONA COLLEGE			
CM67062-00	HANSCH, CORWIN	STRUCTURE ACTIVITY STUDIES AMONG ANTICANCER AGENTS	47,782
INSTITUTION TOTAL	1	47,782	
CITY TOTAL	1	47,782	
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
CP65845-00	RUEBNER, BORIS H	BIOLOGY OF NEOPLASTIC LIVER LESIONS IN MICE	158,404
INSTITUTION TOTAL	1	158,404	
CITY TOTAL	1	158,404	
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
HB62971-00	GALE, ROBERT P	COLLECTION, FUNCTION AND TRANSFUSION OF GRANULOCYTES	138,165
HD62807-00	MASSEY, FRANK J	HEALTH STATUS OF VASECTOMIZED MEN - COORDINATING CENTER	106,400
AI62515-00	MYERS, LAWRENCE W	INFLUENZA A/NJ/ML VACCINE IN MULTIPLE SCLEROSIS STUDY	27,744
INSTITUTION TOTAL	3	272,309	
UNIVERSITY OF SOUTHERN CALIFORNIA			
CM67065-00	CHAN, KENNETH K	ANTINEOPLASTIC DISTRIBUTION/DISPOSITION/METABOLISM STUDY	120,978

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF SOUTHERN CALIFORNIA			
CN65374-00	HAMMOND, DENMANN	CHILDREN'S CANCER STUDY GROUP - CANCER CONTROL PROGRAM	895,153
CP65831-00	HEIDELBERGER, CHARLES	CARCINOGENESIS IN VITRO: INITIATION AND PROMCTION	64,571
AI62516-00	LIEB, MARGARET	GENETIC CONSTITUTION OF BACTERIOPHAGE VECTORS	31,316
CP61041-00	RASHEED, SURAIYA	INFLUENCE OF INTERACTION BETWEEN ENVIRONMENTAL FACTORS	90,055
INSTITUTION TOTAL	5	1,202,073	
CITY TOTAL	8	1,474,382	
MENLO PARK			
STANFORD RESEARCH INSTITUTE			
CM63776-00	LEAFFER, MORRIS	PREPARATION OF RADIOLABELED MATERIALS	234,696
CP65854-00	MITCHELL, ANN D	DEVELOP & VALIDATE IN VITRO MAMMALIAN CELL MUTAGENESIS	194,042
CP65857-00	SIMMON, VINCENT F	MUTAGENESIS SYSTEM AS PRESCREEN FOR CHEMICAL CARCINOGENS	85,726
INSTITUTION TOTAL	3	514,464	
CITY TOTAL	3	514,464	
PALO ALTO			
PALO ALTO MEDICAL RESEARCH FOUNDATION			
AI62519-00	DONCH, JOHN J	VERIFICATION OF GENETIC CONSTRUCTION OF E. COII HOSTS	60,495
INSTITUTION TOTAL	1	60,495	
CITY TOTAL	1	60,495	
PASADENA			
PASADENA FOUNDATION FOR MEDICAL RESEARCH			
CP65850-00	KAIGHN, M EDWARD	PRIMARY CULTURE--NORMAL/HUMAN/PROSTATIC EPITHELIAL CELLS	98,304
INSTITUTION TOTAL	1	98,304	
CITY TOTAL	1	98,304	
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
DE62498-00	NEWBRUN, ERNEST	DENTAL PLAQUE OF FRUCTOSE-INTOLERANT PATIENTS	76,483
INSTITUTION TOTAL	1	76,483	
CITY TOTAL	1	76,483	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA			
SAN JOSE			
INSTITUTE FOR MEDICAL RESEARCH			
CN65378-00	KRAUT, JOSEPH W	CLINICAL ONCOLOGY PROGRAM	231,620
INSTITUTION TOTAL 1		231,620	
CITY TOTAL 1		231,620	
STANFORD			
STANFORD UNIVERSITY			
CM67111-00	GLATSTEIN, ELI	CLASSIFICATION OF NONHODGKIN'S LYMPHOMAS	79,350
CM67072-00	GLATSTEIN, ELI	CLASSIFICATION OF NONHODGKIN'S LYMPHOMAS CENTER	86,670
INSTITUTION TOTAL 2		166,020	
CITY TOTAL 2		166,020	
STATE TOTAL 20		2,902,399	
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
LM64744-00	COOPER, WILLIAM G	DEVELOP AND SUPPORT OF CTS FACILITY	11,120
CP65849-00	WEBBER, MUKTA M	IN VITRO STUDY--NORMAL/EPITHELIAL/HUMAN PROSTATIC CELLS	119,639
INSTITUTION TOTAL 2		130,759	
CITY TOTAL 2		130,759	
STATE TOTAL 2		130,759	
CONNECTICUT			
STAMFORD			
COOPER AND COMPANY			
OD62156-00	SAMERS, BERNARD N	SURVEY OF U S HEALTH RESEARCH & DEVELOPMENT FOUNDATIONS	59,895
INSTITUTION TOTAL 1		59,895	
CITY TOTAL 1		59,895	
STATE TOTAL 1		59,895	
DIST OF COL			
WASHINGTON			
BOOZ, ALLEN AND HAMILTON			
HB62965-00	LUHRS, CARO E	BLOOD CONSTITUENT USAGE AND SOURCE MATERIAL PROVISION	152,067

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	152,067		
DIST OF COL				
WASHINGTON				
COURTESY ASSOCIATES				
CP65852-00	TO BE ASSIGNED		11TH JOINT WORKING CONFERENCE OF VIRUS CANCER PROGRAM	3,000
CP65851-00	TO BE ASSIGNED		PROGRAM REVIEW MEETING	1,500
CP65860-00	TO BE ASSIGNED		PROGRAM REVIEW MEETING	1,000
INSTITUTION TOTAL	3	5,500		
EBON RESEARCH SYSTEMS				
CB64077-00	BRIGHT, CORNELIA M		IMMUNOLOGY DATA PROCESSING SUPPORT	49,488
INSTITUTION TOTAL	1	49,488		
GEORGE WASHINGTON UNIVERSITY				
HD62808-00	KRUEGER, DEAN		MYOCARDIAL INFARCTION & THE ROLE OF ORAL CONTRACEPTIVES	77,400
INSTITUTION TOTAL	1	77,400		
TELE SEC				
LM64749-00	TARVER, HELGA		CATALOGING OF SERIALS	38,529
LM64752-00	TARVER, HELGA		POST INVENTORY FILE MAINTENANCE	35,304
LM64754-00	TARVER, HELGA		CODING DATA FOR APPROXIMATELY 2500 SERIAL CONGRESSES	25,130
INSTITUTION TOTAL	3	98,963		
CITY TOTAL	9	383,418		
STATE TOTAL	9	383,418		
FLORIDA				
FORT LAUDERDALE				
LEO GOODWIN INSTITUTE FOR CANCER RESEARCH				
CP65804-00	SACKSTEDER, MIRIAM R		RESOURCE FOR SYRIAN HAMSTERS	31,465
INSTITUTION TOTAL	1	31,465		
CITY TOTAL	1	31,465		
GAINESVILLE				
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA				
LM64748-00	BALANOFF, NEAL		DEVELOPING LEARNING UNITS DESIGNED TO TEACH IMMUNOLOGY	56,205
INSTITUTION TOTAL	1	56,205		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	56,205	
FLORIDA			
MIAMI			
UNIVERSITY OF MIAMI			
HV62969-00	GORDON, MICHAEL S	CARDIOLOGY PATIENT SIMULATOR EVALUATION	106,214
INSTITUTION TOTAL	1	106,214	
CITY TOTAL	1	106,214	
STATE TOTAL	3	193,884	
GEORGIA			
ATLANTA			
EMORY UNIVERSITY			
CP65873-00	NIXON, DANIEL W	OPTIMAL NUTRITIONAL SUPPORT AS ADJUNCT TO CANCER THERAPY	136,797
INSTITUTION TOTAL	1	136,797	
CITY TOTAL	1	136,797	
STATE TOTAL	1	136,797	
ILLINOIS			
CHICAGO			
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER			
NS62350-00	COHEN, MAYNARD C	MODEL COMPREHENSIVE STROKE CENTER FEASIBILITY STUDY	66,325
INSTITUTION TOTAL	1	66,325	
UNIVERSITY OF CHICAGO			
CP65777-00	WIED, GEORGE L	EVALUATE PRENEOPLASTIC LESIONS IN THE RESPIRATORY TRACT	181,266
INSTITUTION TOTAL	1	181,266	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
CP65843-00	EPSTEIN, SAMUEL S	MAINTAIN ANIMAL SUPPORT COLONY	105,209
INSTITUTION TOTAL	1	105,209	
CITY TOTAL	3	352,800	
STATE TOTAL	3	352,800	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
HB62973-00	STRAUSS, RONALD	COLLECTION, FUNCTION AND TRANSFUSION OF GRANULOCYTES	127,076
INSTITUTION TOTAL	1	127,076	
CITY TOTAL	1	127,076	
STATE TOTAL	1	127,076	
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS			
CN65285-00	HOODSPRATEN, BARTH	CANCER CONTROL PROGRAM--SOUTHWEST ONCOLOGY GROUP	785,739
INSTITUTION TOTAL	1	785,739	
CITY TOTAL	1	785,739	
STATE TOTAL	1	785,739	
LOUISIANA			
NEW ORLEANS			
ALTON OCHSNER MEDICAL FOUNDATION			
CP65764-00	SEGALOFF, A	STUDY OF THE INFLUENCE OF REPEATED LOW DOSE IRRADIATON	100,370
INSTITUTION TOTAL	1	100,370	
CITY TOTAL	1	100,370	
STATE TOTAL	1	100,370	
MAINE			
YORK			
YORK HOSPITAL			
NS72354-00	SUTER, CAREY	MODEL COMPREHENSIVE STROKE CENTER FEASIBILITY STUDY	111,316
INSTITUTION TOTAL	1	111,316	
CITY TOTAL	1	111,316	
STATE TOTAL	1	111,316	
MARYLAND			
BALTIMORE			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE			
CP65752-00	HINTON, DAVID E	BIOLOGY OF NEOPLASTIC LIVER LESIONS	63,564

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	63,564		
CITY TOTAL	1	63,564		
MARYLAND				
BETHESDA				
INTERNATIONAL BUSINESS MACHINES CORPORATION				
LM64751-00	CONLON, CLARK		PROVIDE SYSTEMS ENGINEERING SUPPORT	9,050
INSTITUTION TOTAL	1	9,050		
WHITTAKER CORPORATION--MICROBIOLOGICAL ASSOCIATES				
CP61043-00	FREEMAN, A E		IN VITRO MALIGNANT TRANSFORMATION	205,157
CP61045-00	PRICE, PAUL J		DEVELOPMENT OF MAMMALIAN CELL LINES	231,779
INSTITUTION TOTAL	2	436,936		
CITY TOTAL	3	445,986		
GERMANTOWN				
FAIRCHILD INDUSTRIES				
LM64756-00	HOCH, KENNETH		INSTALLATION REPORT FOR FIVE CTS SITES	25,000
INSTITUTION TOTAL	1	25,000		
CITY TOTAL	1	25,000		
KENSINGTON				
LITTON INDUSTRIES--LITTON BIONETICS				
CP65856-00	BRUSICK, DAVID J		MUTAGENESIS SYSTEM AS PRESCREEN FOR CHEMICAL CARCINOGENS	159,840
CP65853-00	MATHESON, DALE		DEVELOP & VALIDATE IN VITRO MAMMALIAN CELL MUTAGENESIS	179,053
INSTITUTION TOTAL	2	338,893		
CITY TOTAL	2	338,893		
ROCKVILLE				
ENVIRO CONTROL				
CP61021-00	MC KINNEY, R W		MONITORING OF BIOHAZARD CONTAINMENT FACILITIES	233,000
INSTITUTION TOTAL	1	233,000		
FLOW LABORATORIES				
CM67088-00	ATKINS, HARRY		FACILITY FOR STORAGE AND DISTRIBUTION OF CLINICAL DRUGS	136,734

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MARYLAND			
ROCKVILLE			
FLOW LABORATORIES			
HD62864-00	HAUGHOM, JOAN R	GROWTH OF HUMAN TROPHOBLASTIC CELLS IN CULTURE	66,260
INSTITUTION TOTAL	2	202,994	
TRACOR, INC.--TRACOR JITCO			
RR62155-00	QUIMBY, FREEMAN H	RESEARCH RESOURCES INFORMATION CENTER	198,166
INSTITUTION TOTAL	1	198,166	
CITY TOTAL	4	634,160	
STATE TOTAL	11	1,507,603	
MASSACHUSETTS			
AMHERST			
CARKHUFF ASSOCIATES			
LM64746-00	CARKHUFF, ROBERT R	VIDEOTAPE TECHNOLOGY	108,946
INSTITUTION TOTAL	1	108,946	
CITY TOTAL	1	108,946	
BOSTON			
BOSTON UNIVERSITY			
NS62349-00	FELDMAN, ROBERT G	MODEL COMPREHENSIVE STROKE CENTER FEASIBILITY STUDY	50,662
INSTITUTION TOTAL	1	50,662	
HARVARD UNIVERSITY			
AM62207-00	LOWRIE, EDMUND G	NATIONAL COOPERATIVE DIALYSIS STUDY	1,362,961
INSTITUTION TOTAL	1	1,362,961	
MASSACHUSETTS GENERAL HOSPITAL			
CB64079-00	SCHLESINGER, DAVID H	PREPARATION & ANALYSIS OF CELL SURFACE PROTEIN FRACTIONS	57,480
INSTITUTION TOTAL	1	57,480	
NEW ENGLAND DEACONESS HOSPITAL			
CP65870-00	BLACKBURN, GEORGE L	OPTIMAL NUTRITIONAL SUPPORT AS ADJUNCT TO CANCER THERAPY	115,193
INSTITUTION TOTAL	1	115,193	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
UNIVERSITY HOSPITAL			
CP65869-00	STEFFEE, WILLIAM	OPTIMAL NUTRITIONAL SUPPORT AS ADJUNCT TO CANCER THERAPY	82,077
CP65872-00	STEFFEE, WILLIAM	OPTIMAL NUTRITIONAL SUPPORT AS ADJUNCT TO CANCER THERAPY	82,827
INSTITUTION TOTAL	2	164,904	
CITY TOTAL	6	1,751,200	
WALTHAM			
THERMO ELECTRON CORPORATION			
CP65822-00	NOT APPLICABLE	PRODUCTION AND DELIVERY OF THREE HPLC INTERFACE SYSTEMS	29,182
INSTITUTION TOTAL	1	29,182	
CITY TOTAL	1	29,182	
STATE TOTAL	8	1,889,328	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
AI62518-00	FRETED, ROLF	TESTING OF VECTOR-HOST SYSTEMS IN MAMMALS	110,096
AI62514-00	MONTO, ARNOLD S	EVALUATION OF OCCURRENCE OF INFLUENZA & VACCINE EFFICACY	178,919
INSTITUTION TOTAL	2	289,015	
CITY TOTAL	2	289,015	
DETROIT			
WAYNE STATE UNIVERSITY			
NS62353-00	BLISS, LYNN S	SCREENING OF PRESCHOOL CHILDREN PROCEDURES EVALUATION	138,375
INSTITUTION TOTAL	1	138,375	
CITY TOTAL	1	138,375	
STATE TOTAL	3	427,390	
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
AM62214-00	EATON, JOHN W	ERYTHROCYTE DESTRUCTION IN CHRONIC RENAL DISEASE	100,380
HB62972-00	MC CULLOUGH, JEFFREY	COLLECTION, FUNCTION AND TRANSFUSION OF GRANULOCYTES	127,890

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
HD62832-00	MCLAUGHLIN, STEVEN D	ADOLESCENT CHILDBEARING CONSEQUENCES/OCCUPATIONAL CHOICE	34,905
INSTITUTION TOTAL	3	263,175	
CITY TOTAL	3	263,175	
ROCHESTER			
MAYO FOUNDATION			
DE62497-00	DYCK, PETER J	UNTREATED ATYPICAL FACIAL NEURALGIA ORAL-FACIAL STUDY	90,290
INSTITUTION TOTAL	1	90,290	
CITY TOTAL	1	90,290	
STATE TOTAL	4	353,465	
MISSOURI			
SAINT LOUIS			
ST. LOUIS UNIVERSITY			
CP61062-00	GREEN, MAURICE	INFLUENCE OF INTERACTION BETWEEN ENVIRONMENTAL FACTORS	185,332
INSTITUTION TOTAL	1	185,332	
CITY TOTAL	1	185,332	
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
HB62970-00	HERZIG, GEOFFREY P	COLLECTION, FUNCTION AND TRANSFUSION OF GRANULOCYTES	110,444
INSTITUTION TOTAL	1	110,444	
CITY TOTAL	1	110,444	
STATE TOTAL	2	295,776	
MONTANA			
BOZEMAN			
MONTANA STATE UNIVERSITY			
LM64741-00	HUFFMAN, ROY E	DEVELOP AND SUPPORT A CTS FACILITY	10,618
INSTITUTION TOTAL	1	10,618	
CITY TOTAL	1	10,618	
STATE TOTAL	1	10,618	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
NEW JERSEY			
NEW BRUNSWICK			
RUTGERS UNIVERSITY			
CM67106-00	NICKERSON, WALTER J	SCREEN BLACK YEASTS FOR ANTINEOPLASTIC ACTIVITY	104,871
INSTITUTION TOTAL	1	104,871	
CITY TOTAL	1	104,871	
STATE TOTAL	1	104,871	
NEW YORK			
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CM67117-00	BARLOW, JOSEPH	THERAPY OF PATIENTS WITH OVARIAN CARCINOMA	121,303
CM67114-00	PICKREN, JOHN W	CLASSIFICATION OF NONHODGKIN'S LYMPHOMAS	67,100
CP65867-00	SAKO, KUMAO	OPTIMAL NUTRITIONAL SUPPORT AS ADJUNCT TO CANCER THERAPY	161,806
INSTITUTION TOTAL	3	350,209	
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
CP65868-00	LORE, JOHN M, JR	OPTIMAL NUTRITIONAL SUPPORT AS ADJUNCT TO CANCER THERAPY	81,671
INSTITUTION TOTAL	1	81,671	
CITY TOTAL	4	431,880	
ITHACA			
CORNELL UNIVERSITY			
CP65744-00	ANDREWS, EDWIN J	INDUCTION OF COLON TUMORS IN GUINEA PIGS	131,841
INSTITUTION TOTAL	1	131,841	
CITY TOTAL	1	131,841	
LAKE PLACID			
TISSUE CULTURE ASSOCIATION--W. ALTON JONES CELL SCIENCE CENTER			
CP65762-00	DOUGLAS, WILLIAM H	CULTIVATION OF NORMAL PROSTATIC EPITHELIAL CELLS	104,251
INSTITUTION TOTAL	1	104,251	
CITY TOTAL	1	104,251	
NEW YORK			
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
AM62213-00	NEFF, MARTIN	ANEMIA TREATMENT BY ANDROGENS IN CHRONIC HEMODIALYSIS	220,762
INSTITUTION TOTAL	1	220,762	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
NEW YORK				
NEW YORK				
COMMUNITY BLOOD COUNCIL OF GREATER NEW YORK				
AI62512-00	SZMUNESS, WOLF		EPIDEMIOLOGY OF VIRAL HEPATITIS IN HEMODIALYSIS UNITS	312,301
INSTITUTION TOTAL	1	312,301		
UNITED ENGINEERING TRUSTEES				
CB64078-00	MULLANEY, PAUL F		ENGINEERING FOUNDATION CONFERENCE ON AUTOMATED CYTOLOGY	26,200
INSTITUTION TOTAL	1	26,200		
VISION ASSOCIATES				
LM64747-00	BOBKER, LEE R		PRODUCE SELF-INSTRUCTIONAL AUDIOVISUAL UNITS	119,797
INSTITUTION TOTAL	1	119,797		
CITY TOTAL	4	679,060		
ROCHESTER				
UNIVERSITY OF ROCHESTER				
NS72351-00	FEIBEL, JOHN H		MODEL COMPREHENSIVE STROKE CENTER FEASIBILITY STUDY	85,508
INSTITUTION TOTAL	1	85,508		
CITY TOTAL	1	85,508		
STONY BROOK				
STATE UNIVERSITY OF NEW YORK AT STONY BROOK				
HD62803-00	LERNER, RAYMOND C		PREGNANCY OUTCOME FOLLOWING PREVIOUSLY INDUCED ABORTION	156,000
DE62489-00	RIPA, LOUIS W		EFFECT ON CARIES OF XYLITOL AND SORBITAL-SWEETENED GUM	61,930
INSTITUTION TOTAL	2	217,930		
CITY TOTAL	2	217,930		
VALHALLA				
NEW YORK MEDICAL COLLEGE				
CP65855-00	ROSENKRANZ, HERBERT S		MUTAGENESIS SYSTEM AS PRESCREEN FOR CHEMICAL CARCINOGENS	94,647
INSTITUTION TOTAL	1	94,647		
CITY TOTAL	1	94,647		
STATE TOTAL	14	1,745,117		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
NORTH CAROLINA				
CHAPEL HILL				
NORTH CAROLINA HEART ASSOCIATION				
NS62347-00	HIRSCHAUER, PAUL E		MODEL COMPREHENSIVE STROKE CENTER FEASIBILITY STUDY	99,462
INSTITUTION TOTAL	1	99,462		
CITY TOTAL	1	99,462		
RESEARCH TRIANGLE PARK				
RESEARCH TRIANGLE INSTITUTE				
CM67121-00	KEPLER, J A		PREPARATION OF RADIOLABELED MATERIALS	207,005
INSTITUTION TOTAL	1	207,005		
CITY TOTAL	1	207,005		
STATE TOTAL	2	306,467		
NORTH DAKOTA				
BISMARCK				
NORTH DAKOTA STATE DEPARTMENT OF HEALTH				
CN65370-00	O'LEARY, THOMAS J		IMPLEMENTATION FOR A CERVICAL CANCER SCREENING PROGRAM	175,382
INSTITUTION TOTAL	1	175,382		
CITY TOTAL	1	175,382		
STATE TOTAL	1	175,382		
CHIO				
CLEVELAND				
CASE WESTERN RESERVE UNIVERSITY				
AM62221-00	HOUSER, HAROLD B		DIABETES MELLITUS PATHOGENESIS IN THE GILA RIVER INDIAN	46,530
INSTITUTION TOTAL	1	46,530		
CUYAHOGA COUNTY HOSPITALS--CLEVELAND METROPOLITAN GENERAL HOSPITAL				
CP65840-00	NOT APPLICABLE		SUPPORT AND MAINTAIN A CBA/H-T6T6 MOUSE COLONY	2,190
INSTITUTION TOTAL	1	2,190		
CITY TOTAL	2	48,720		
COLUMBUS				
BATTELLE MEMORIAL INSTITUTE				
CM67099-00	ARTEMIO, OVEJERA		SCREENING COMPOUNDS USING HUMAN TUMORS IN ATHYMIC MICE	428,842

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL		1	428,842	
CITY TOTAL		1	428,842	
OHIO				
DAYTON				
MONSANTO COMPANY--DAYTON LABORATORY				
CM67046-00	ELLARD, JAMES		PRODUCTION OF BULK CHEMICALS AND DRUGS	672,017
INSTITUTION TOTAL		1	672,017	
CITY TOTAL		1	672,017	
STATE TOTAL		4	1,149,579	
OREGON				
PORTLAND				
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER				
NS72348-00	YATSU, FRANK		MODEL COMPREHENSIVE STROKE CENTER FEASIBILITY STUDY	73,644
INSTITUTION TOTAL		1	73,644	
CITY TOTAL		1	73,644	
STATE TOTAL		1	73,644	
PENNSYLVANIA				
HERSHEY				
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER				
CP61063-00	PAPP, FRED		IN VITRO MALIGNANT TRANSFORMATION	56,973
INSTITUTION TOTAL		1	56,973	
CITY TOTAL		1	56,973	
PHILADELPHIA				
CHILDREN'S HOSPITAL OF PHILADELPHIA				
CP65803-00	D'ANGIO, GIULIO		STUDY ONCOGENESIS AND LATE EFFECTS OF CANCER THERAPY	96,276
INSTITUTION TOTAL		1	96,276	
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA				
CP65864-00	MILLER, JACK		CURRENT AWARENESS SERVICES FOR NITROSAMINE PROGRAM	26,050
INSTITUTION TOTAL		1	26,050	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
CP65802-00	MULLEN, JAMES L	OPTIMAL NUTRITIONAL SUPPORT AS ADJUNCT TO CANCER THERAPY	126,318
INSTITUTION TOTAL	1	126,318	
CITY TOTAL	3	248,644	
STATE TOTAL	4	305,617	
TENNESSEE			
NASHVILLE			
GEORGE PEABODY COLLEGE FOR TEACHERS			
HD62860-00	SANDLER, HOWARD M	ADOLESCENT PREGNANCY EFFECT--MOTHER-INFANT RELATIONSHIP	80,822
INSTITUTION TOTAL	1	80,822	
CITY TOTAL	1	80,822	
STATE TOTAL	1	80,822	
TEXAS			
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
AI62517-00	CLOWES, ROYSTON C	VERIFICATION OF GENETIC CONSTITUTION OF PLASMID VECTORS	32,290
AM62219-00	UNGER, ROBER H	HUMAN DIABETES PROGRAM	360,514
INSTITUTION TOTAL	2	392,804	
CITY TOTAL	2	392,804	
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
CP61042-00	ALBRECHT, THOMAS B	TRANSFORMATION OF MAMMALIAN CELLS	103,451
INSTITUTION TOTAL	1	103,451	
CITY TOTAL	1	103,451	
HOUSTON			
STEHLIN FOUNDATION FOR CANCER RESEARCH			
CM67073-00	GIOVANELLA, BEPPINO	MODEL SYSTEMS FOR CHEMOTHERAPY OF HUMAN TUMORS	317,810
INSTITUTION TOTAL	1	317,810	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
CP65846-00	BECKER, FREDERICK F	BIOLOGY OF NEOPLASTIC LIVER LESIONS IN MICE	182,415
CN65296-00	GUINEE, V F	STATISTICAL CENTER FOR ASBESTOS WORKERS PROJECT	324,276
CP65871-00	LANZOTTI, VICTOR J	OPTIMAL NUTRITIONAL SUPPORT AS ADJUNCT TO CANCER THERAPY	189,675
CP65866-00	SAMUELS, MELVIN L	OPTIMAL NUTRITIONAL SUPPORT AS ADJUNCT TO CANCER THERAPY	199,905
INSTITUTION TOTAL	4	896,271	
CITY TOTAL	5	1,214,081	
STATE TOTAL	8	1,710,336	
VERMONT			
BURLINGTON			
VERMONT AGENCY OF HUMAN SERVICES--DEPARTMENT OF HEALTH			
CN65368-00	COFFIN, ROBERTA R	IMPLEMENTATION FOR A CERVICAL CANCER SCREENING PROGRAM	200,016
INSTITUTION TOTAL	1	200,016	
CITY TOTAL	1	200,016	
STATE TOTAL	1	200,016	
VIRGINIA			
ALEXANDRIA			
SUSQUEHANNA CORPORATION--ATLANTIC RESEARCH CORPORATION			
LM64745-00	REEVE, JAMES E	TELECAST STUDIO & CONTROL ROOMS FOR CTS EXPERIMENTS	140,482
INSTITUTION TOTAL	1	140,482	
VALUE ENGINEERING COMPANY			
CM67086-00	SANFACON, THOMAS J	DRUG RESEARCH AND DEVELOPMENT DATA PROCESSING SYSTEM	917,149
INSTITUTION TOTAL	1	917,149	
CITY TOTAL	2	1,057,631	
ARLINGTON			
KAPPA SYSTEMS			
AM62220-00	BAUER, WILLIAM	COMPLETE SUPPORT FOR THE NATIONAL COMMISSION ON DIABETES	55,921
INSTITUTION TOTAL	1	55,921	
CITY TOTAL	1	55,921	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
VIRGINIA			
MC LEAN			
BOEING COMPANY--BOEING COMPUTER SERVICES			
LM64755-00	GARNEAU, JEAN	SOFTWARE SYSTEMS SUPPORT	65,000
INSTITUTION TOTAL	1	65,000	
JRB ASSOCIATES			
NS62345-00	NOVOTNEY, LAURENCE	DESIGN/SPECIFICATION--NINCDS PROGRAM INFORMATION SYSTEM	150,000
INSTITUTION TOTAL	1	150,000	
MITRE CORPORATION			
CP65863-00	KORNREICH, MARY R	PREPARATION OF CARCINOGENESIS BIOASSAY REPORTS	355,689
IM64753-00	SUMMERS, JOHN K	COMPUTER SYSTEMS STUDIES	98,241
INSTITUTION TOTAL	2	453,930	
CITY TOTAL	4	668,930	
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
CP65832-00	BANKS, WILLIAM L	HOST & BRAIN TUMOR DIFFERENTIAL NUTRITIONAL REQUIREMENTS	184,058
INSTITUTION TOTAL	1	184,058	
CITY TOTAL	1	184,058	
STATE TOTAL	8	1,966,540	
WASHINGTON			
PULLMAN			
WASHINGTON STATE UNIVERSITY			
LM64750-00	NYMAN, C J	DEVELOPING INSTRUCTIONAL MODELS AND A SYSTEM OF SHARING	110,982
INSTITUTION TOTAL	1	110,982	
CITY TOTAL	1	110,982	
SEATTLE			
UNIVERSITY OF WASHINGTON			
LM64743-00	BENNETT, ROGER	DEVELOP AND SUPPORT A CTS FACILITY	16,584
AI62511-00	FOY, HJORDIS M	INFLUENZA SURVEILLANCE AND VACCINE EVALUATION	254,364
INSTITUTION TOTAL	2	270,948	
CITY TOTAL	2	270,948	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	3	381,930	
CANADA			
HAMILTON			
MC MASTER UNIVERSITY			
NS62344-00	WITELSON, SANDRA F	HUMAN TEMPORAL LOBE AND NEUROANATOMICAL ASYMMETRY	71,000
INSTITUTION TOTAL	1	71,000	
CITY TOTAL	1	71,000	
MONTREAL			
MC GILL UNIVERSITY			
DE62492-00	STAMM, J W	FLUORIDATED AND NONFLUORIDATED ROOT SURFACE CARIES STUDY	17,400
INSTITUTION TOTAL	1	17,400	
CITY TOTAL	1	17,400	
STATE TOTAL	2	88,400	
ITALY			
MILAN			
NATIONAL CANCER INSTITUTE			
CM67115-00	RILKE, FRANCO	CLASSIFICATION OF NONHODGKIN'S LYMPHOMAS	26,723
INSTITUTION TOTAL	1	26,723	
CITY TOTAL	1	26,723	
NAPLES			
UNIVERSITY OF NAPLES			
CB64074-00	PUCA, GIOVANNI A	PURIFICATION OF ESTROGEN RECEPTOR IN TANGIBLE AMOUNTS	70,000
INSTITUTION TOTAL	1	70,000	
CITY TOTAL	1	70,000	
STATE TOTAL	2	96,723	
TOTAL	125	18,172,482	

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
HL07062-01A1	JACOB, HARRY S	HEMOGLOBIN AND CELL MEMBRANE RESEARCH	62,860
INSTITUTION TOTAL	1	62,860	
CITY TOTAL	1	62,860	
STATE TOTAL	1	62,860	
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
HD07067-01	LASH, JAMES W	ANALYSIS OF GROWTH AND DEVELOPMENT	78,761
INSTITUTION TOTAL	1	78,761	
CITY TOTAL	1	78,761	
STATE TOTAL	1	78,761	
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY			
AM07186-01	KRANTZ, SANFORD B	HEMATOLOGY	38,833
INSTITUTION TOTAL	1	38,833	
CITY TOTAL	1	38,833	
STATE TOTAL	1	38,833	
TOTAL	3	180,454	

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA			
HL05271-01	VAN WYCK, DAVID B	CARDIOVASCULAR DISEASES	F32
AG05078-01	ZEIDLER, ROBERT B	BIOCHEMISTRY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
NS05549-01	EWAN, WILLIAM G	PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
NS05481-01	BLYTHE, LINDA L	NEUROPATHOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
LA JOLLA			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
NS05625-01	SNYDER, ELAINE F	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
AG05066-01	EIPERT, ERICH F	IMMUNOLOGY	F32
NS05521-01	GENTRY, R THOMAS	NEUROENDOCRINOLOGY	F32
CA05852-01	SAXTON, ERNESTINA M	IMMUNOLOGY	F32
TW02357-01	VLODAVSKY, ISRAEL	MOLECULAR BIOLOGY	F05
NS05627-01	WALLIS, CLEATUS J	NEUROENDOCRINOLOGY	F32
INSTITUTION TOTAL	5		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF SOUTHERN CALIFORNIA			
TW00095-01	HAYS, DANIEL M	PEDIATRIC SURGERY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	6		
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
NS05451-01	GERST, KENNETH M	ATOMIC STRUCTURE	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
CA05577-01	COHEN, JAMES C	BIOCHEMISTRY	F32
NS05583-01	MC BRIDE, MATILDE H	ENDOCRINOLOGY	F32
NS05618-01	SCHWENT, VINCENT L	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STANFORD			
STANFORD UNIVERSITY			
NS05458-01	SMALL, ARNOLD M	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	14		
COLORADO			
DENVER			
NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER			
CA05883-01	SUMMERTON, JAMES E	BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
UNIVERSITY OF COLORADO MEDICAL CENTER			
CA05534-01	BRUGGE, JOAN S	VIROLOGY	F32
INSTITUTION TOTAL	1		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	2		
COLORADO			
FORT COLLINS			
COLORADO STATE UNIVERSITY			
CA05610-01	POINDEXTER, GRAHAM S	MEDICINAL/PHARMACEUTICAL CHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
NS05406-01A1	RIKER, DONALD K	ANIMAL MICROBIOLOGY	F32
NS05642-01	SMOLEN, DIANE L	SENSORY PROCESSES	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
FLORIDA			
GAINESVILLE			
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA			
NS05574-01	HUBBARD, ALLYN E	BIOMEDICAL ENGINEERING	F32
CA05554-01	THOMSON, JUDITH A	BIOCHEMISTRY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
TW02343-01	ADRAGNA, NORMA C	CELL PHYSIOLOGY	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INDIANA			
NOTRE DAME			
UNIVERSITY OF NOTRE DAME			
AI05379-01	FIORAVANTI, CARMEN F	PARASITOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
TW02386-01	DELGADO-GARCIA, JOSE M	NEUROPATHOLOGY	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
KANSAS			
LAWRENCE			
UNIVERSITY OF KANSAS			
NS05433-01	JASTRZEMBSKI, JAMES E	AUDIOLOGY	F32
HD05411-01	WALKER, LARAINE S	DEVELOPMENTAL PSYCHOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
LOUISIANA			
NEW ORLEANS			
TULANE UNIVERSITY			
NS05659-01	HARSTON, CRAIG T	RECEPTOR AND EFFECTOR PROCESSES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MARYLAND			
BALTIMORE			
BALTIMORE CITY HOSPITALS			
AG05010-01A1	WAX, TEENA M	PSYCHOLOGY OF GERONTOLOGY AND GERIATRICS	F32
INSTITUTION TOTAL	1		
JOHNS HOPKINS UNIVERSITY			
NS05604-01	CHANDLER, ROBERT E	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
BETHESDA			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH			
NS05516-01	MOORE, JUDITH L	BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
MASSACHUSETTS			
BOSTON			
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL			
HL05507-01	LESLIE, BRUCE R	RENAL DISEASES	F32
INSTITUTION TOTAL	1		
BOSTON BIOMEDICAL RESEARCH INSTITUTE			
AG05065-01	KELLEHER, JOANNE K	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
HARVARD UNIVERSITY			
HL05508-01	GUYTON, JOHN R	DIABETES	F32
CA05709-01	RAMIG, ROBERT F	VIROLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	4		
CAMBRIDGE			
HARVARD UNIVERSITY			
AI05523-01	HESSON, DAVID P	ORGANIC SYNTHESIS	F32

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INSTITUTION TOTAL	1		
MASSACHUSETTS			
CAMBRIDGE			
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
NS05527-01	LANGER, THOMAS P	NEUROANATOMY	F32
CA05555-01	STEFFEN, DAVID L	VIROLOGY	F32
AI05337-01	SZAJEWSKI, RICHARD P	MEDICINAL/PHARMACEUTICAL CHEMISTRY	F32
INSTITUTION TOTAL	3		
CITY TOTAL	4		
STATE TOTAL	8		
MICHIGAN			
DETROIT			
WAYNE STATE UNIVERSITY			
NS05576-01	BONDUKI, ANTHONY C	NEUROANATOMY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA			
DE05120-01A1	CARNES, DAVID L, JR	ENDOCRINOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
NS05656-01	JENNY, ARTHUR B, III	NEUROANATOMY	F32
CA05815-01	SPECTOR, DAVID J	VIROLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	3		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
AG05073-01	VOGEL, KATHRYN L	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NEW YORK			
NEW YORK			
COLUMBIA UNIVERSITY			
CA05806-01	SZALDA, DAVID J	MEDICINAL/PHARMACEUTICAL CHEMISTRY	F32
NS05617-01	TOMOSKY, THOMAS K	NEURO/MUSCULAR PHYSIOLOGY	F32
CA05854-01	YAFFE, LYN J	IMMUNOLOGY	F32
INSTITUTION TOTAL	3		
NEW YORK UNIVERSITY			
AI05368-01	WANG, AI-LAN	BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	4		
ROCHESTER			
UNIVERSITY OF ROCHESTER			
DE05119-01	BARRETT, PAULA M	ENDOCRINOLOGY	F32
NS05539-01	KOCHIE, PAUL J	NEUROPATHOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
UTICA			
MASONIC FOUNDATION FOR MEDICAL RESEARCH AND HUMAN WELFARE			
CA05536-01	BIRNBAUM, LINDA S	CELL BICLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	7		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
CA05519-01	WHITE, ROBERT M	ANALYTICAL CHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
NS05562-01	COTE, JANICE A	NEURO/MUSCULAR PHYSIOLOGY	F32
CA05851-01	KAZURA, JAMES W	IMMUNOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
RHODE ISLAND			
PROVIDENCE			
BROWN UNIVERSITY			
NS05561-01	FOSTER, ROBERT E	NEUROANATOMY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY			
CA05659-01	DEFOOR, PAUL H	ONCOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
NS05358-01A1	FALK, DAVID L	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
NS05508-01	KRAUHS, JANE C	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
CA05465-01	PARRIS, DEBORAH S	VIROLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
NS05388-01A1	AUDESIRK, TERESA E	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
CA05576-01	LAFFLER, THOMAS G	CELL BIOLOGY	F32
HD05401-01	LUBINSKY, MARK S	NEUROLOGY	F32
NS05646-01	O'CONNOR, THOMAS A	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
WISCONSIN			
MILWAUKEE			
MEDICAL COLLEGE OF WISCONSIN			
CA05530-01	GUTIERREZ, PETER L	PHYSICAL BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	4		
CANADA			
EDMONTON			
UNIVERSITY OF ALBERTA			
AI05499-01	BAUM, LINDA L	IMMUNOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	66		

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
FLORIDA			
GAINESVILLE			
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA			
AI00054-01	DUCKWORTH, DONNA H	BACTERIOPHAGE AND CELL SURFACE PHENOMENON	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
ILLINOIS			
CHICAGO			
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
AI00147-01	FRIEDENSON, BERNARD A	IGG ANTIBODIES WITH THE SAME H OR L CHAIN	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
KANSAS			
MANHATTAN			
KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE			
GM00245-01	ROUFA, DONALD J	GENETICS OF DNA REPLICATION IN ANIMAL CELLS	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
NEW YORK			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--HUNTER COLLEGE			
EY00040-01	CHAPPELL, RICHARD L	A STUDY OF NEURAL INTERACTIONS OF THE RETINA	K04
INSTITUTION TOTAL 1			
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
GM00278-01	AARONSON, ROBERT P	STRUCTURE AND FUNCTION OF THE NUCLEAR ENVELOPE	K04
INSTITUTION TOTAL 1			

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
NEW YORK			
NEW YORK			
ROCKEFELLER UNIVERSITY			
GM00223-01	CHUA, NAM-HAI	STRUCTURE AND BIOGENESIS OF THYLAKOID MEMBRANE	K04
INSTITUTION TOTAL	1		
CITY TOTAL	3		
ROCHESTER			
UNIVERSITY OF ROCHESTER			
GM00238-01	GOROVSKY, MARTIN A	ORGANIZATION AND FUNCTION OF THE EUKARYOTIC GENOME	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	4		
RHODE ISLAND			
PROVIDENCE			
BROWN UNIVERSITY			
GM00257-01	LUSK, JOAN E	MEMBRANE PERMEABILITY AND TRANSPORT	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	8		

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MARYLAND 20014

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